

Wei R. Chen PUBLICATIONS

A. EDITED BOOKS / PROCEEDINGS:

1. **Wei R. Chen**, Chair/Editor, SPIE Proceedings Volume 10065, “Biophotonics and Immune Responses XIV”, San Francisco, California, February 2019.
2. **Wei R. Chen**, Chair/Editor, SPIE Proceedings Volume 10065, “Biophotonics and Immune Responses XIII”, San Francisco, California, February 2018.
3. **Wei R. Chen**, Chair/Editor, SPIE Proceedings Volume 10065, “Biophotonics and Immune Responses XII”, San Francisco, California, February 2017.
4. **Wei R. Chen**, Chair/Editor, SPIE Proceedings Volume 9709, “Biophotonics and Immune Responses XI”, San Francisco, California, February 2016.
5. **Wei R. Chen**, Chair/Editor, SPIE Proceedings Volume 9324, “Biophotonics and Immune Responses X”, San Francisco, California, February 2015.
6. **Wei R. Chen**, Chair/Editor, SPIE Proceedings Volume 8944, “Biophotonics and Immune Responses IX”, San Francisco, California, February 2014.
7. **Wei R. Chen**, Chair/Editor, SPIE Proceedings Volume 8582, “Biophotonics and Immune Responses VIII”, San Francisco, California, February 2013.
8. **Wei R. Chen**, Chair/Editor, SPIE Proceedings Volume 8224, “Biophotonics and Immune Responses VII”, San Francisco, California, January 2012.
9. **Wei R. Chen**, Chair/Editor, SPIE Proceedings Volume 7900, “Biophotonics and Immune Responses VI”, San Francisco, California, January 2011.
10. **Wei R. Chen**, Chair/Editor, SPIE Proceedings Volume 7565, “Biophotonics and Immune Responses V”, San Francisco, California, January 2010.
11. **Wei R. Chen**, Chair/Editor, SPIE Proceedings Volume 7178, “Biophotonics and Immune Responses IV”, San Jose, California, January 2009.
12. **Wei R. Chen**, Chair/Editor, SPIE Proceedings Volume 6857 “Biophotonics and Immune Responses III”, San Jose, California, January 2008.
13. **Wei R. Chen**, Chair/Editor, SPIE Proceedings Volume 6438 “Biophotonics and Immune Responses II”, San Jose, California, January 2007.
14. **Wei R. Chen**, Chair/Editor, SPIE Proceedings Volume 6087 “Biophotonics and Immune Responses”, San Jose, California, January 2006.

B. BOOK CHAPTERS

1. Mark F. Naylor, Xiaosong Li, Robert E. Nordquist, Tomas Hode, Orn Adalsteinsson, Hong Liu, and **Wei R. Chen**, “In Situ Immunotherapy for Melanoma”, in *From Early Detection to Treatment / Book 2*, ISBN 980-953-307-600-8, to be published.
2. Tomas Hode, Xiaosong Li, Mark Naylor, Lars Hode, Peter Jenkins, Gabriela Ferrel, Robert E. Nordquist, Orn Adalsteinsson, John Lunn, Michael R. Hamblin, Luciano Alleruzzo, **Wei R. Chen**, "Laser Immunotherapy", in *Handbook of Photomedicine*, Editors Michael R. Hamblin and Ying-Ying Huang, (Taylor & Francis, 2013), ISBN 978-1-4398-8469-0, pp 763-770.
3. **Wei R. Chen**, Xiaosong Li, Mark F. Naylor, Hong Liu, and Robert E. Nordquist, “Advances in Cancer Photothermal Therapy”, in *Handbook of Photonics for Biomedical Science*, Editors Valery V. Tuchin, (CRC Press, 2010), pp 499-526.
4. Zheng Huang, Hong Liu, and **Wei R. Chen**, “Mechanisms and Applications of Photodynamic Therapy”, in *Fundamentals and Applications of Biophotonics in Dentistry*, Editors Anil Kishen and Anand Asundi, (Imperial College Press, 2007), pp 154-181.

C. REFEREED JOURNAL PAPERS:

2019

1. Yong Li, Xiaosong Li, Feifan Zhou, Austin Doughty, Ashley R. Hoover, Robert E. Nordquist, and **Wei R. Chen**, “Nanotechnology-based photoimmunological therapies for cancer”, *Cancer Letters*, 442, 429-438, 2019.

2018

2. Leton Chandra Saha, Okhil Kumar Nag, Austin Doughty, Hong Li, and **Wei R. Chen**, “An immunologically modified nanosystem based on non-covalent binding between single-walled carbon nanotubes and glycosylated chitosan”, *Technology in Cancer Research & Treatment*, 2018 (DOI: 10.1177/1533033818802313).
3. Benqing Zhou, Jun Song, Meng Wang, Xin Wang, Jielin Wang, Feifan Zhou, Junle Qu, and **Wei R. Chen**, “BSA inspired gold nanorods loaded with immune-adjuvant for treating melanoma by combination of photothermal therapy and immunotherapy”, *Nanoscales*, 2018 (DOI: 10.1039/C8NR05323E).
4. Feifan Zhou, Jingxuan Yang, Mingyang Liu, Mark L. Lang, Min Li, and **Wei R. Chen**, “Local phototherapy synergizes with immunoadjuvant for treatment of pancreatic cancer through induced immunogenic tumor vaccine”, *Clinical Cancer Research*, 2018 (doi: 10.1158/1078-0432).
5. Lei Shi, Min Luo, Fuhe Zhang, Linglin Zhang, Bo Wang, Pei Liu, Yunfeng Zhang, Haiyan Zhang, Degang Yang, Guolong Zhang, Feifan Zhou, Herbert Stepp, Ronald Sroka, **Wei R. Chen**, and Xiuli Wang, “Photothermal therapy enhanced the effectiveness of imiquimod against refractory cutaneous warts through boosting immune responses”, *Journal of Biophotonics*, 2018 (June 28:e201800149. doi: 10.1002/jbio.201800149).
6. Haiyan Zhang, Peiru Wang, Xiaojie Wang, Lei Shi, Zhixia Fan, Guolong Zhang, Degang Yang, Cody F. Bahavar, Feifan Zhou, **Wei R. Chen**, and Xiuli Wang, “Antitumor effects of DC vaccine with ALA-PDT induced immunogenic apoptotic cells for skin squamous cell carcinoma in mice”, *Technology in Cancer Research & Treatment*, 17, 1-10, 2018. (Published online January 2018, doi.org/10.1177/1533033818785275)
7. Fuhe Zhang, Lei Shi, Pei Liu, Linglin Zhang, Qianqian Wu, Bo Wang, Guolong Zhang, Peiru Wang, Feifan Zhou, **Wei R. Chen**, and Xiuli Wang, “A novel cosmetic and clinically practicable laser immunotherapy for facial verruca plana: intense pulsed light combined with BCG-PSN”, *Photodiagnosis and Photodynamic Therapy*, 22, 86-90, 2018.
8. Min Luo, Lei Shi, Fuhe Zhang, Feifan Zhou, Linglin Zhang, Bo Wang, Peiru Wang, Yunfeng Zhang, Haiyan Zhang, Degang Yang, Guolong Zhang, **Wei R. Chen** and Xiuli Wang, “Laser immunotherapy for cutaneous squamous cell carcinoma with optimal thermal effects to enhance tumour immunogenicity”, *International Journal of Hyperthermia*, 2018 16:1-14. (doi: 10.1080/02656736.2018.1446221).
9. Shaojie Liu, Austin Doughty, Connor West, Zhilie Tanga, Feifan Zhou and **Wei R. Chen**, “Determination of temperature distribution in tissue for interstitial cancer photothermal therapy,” *International Journal of Hyperthermia*, 34(6), 756-763, 2018. (Published online, September 2017, doi:10.1080/02656736.2017.1370136).

10. Zhifang Li, Haiyu Chen, Feifan Zhou, Hui Li, and **Wei R. Chen**, “Interstitial photoacoustic technique and computational simulation for temperature distribution and tissue optical properties in interstitial laser photothermal interaction”, *Journal of Innovative Optical Health Science*, 11, 1750011, 2018. (DOI: 10.1142/S1793545817500110).

2017

11. Dian-Jun Chen, Xiao-Song Li, Hui Zhao, Yan Fu, Huan-Rong Kang, Fang-Fang Yao, Jia Hu, Nan Qi, Huan-Huan Zhang, Nan Du, and **Wei R. Chen**, “Dinitrophenyl hapten with laser immunotherapy for advanced malignant melanoma: A clinical study”, *Oncology Letters*, 13, 1425-1431, 2017.
12. Yong Li, Feifan Zhou and **Wei R. Chen**, “Photothermal-immunotherapy for Metastatic Breast Tumor in Mice Using Graphene Oxide”, *Progress in Biochemistry and Biophysics*, 44 (12), 1095-1102, 2017.
13. Jyh-Der Leu, Hsin-Yu Chiu, Chun-Yuan Chang, Yi-Jang Lee, and **Wei R. Chen**, “Combination of Radiofrequency Ablation and Glycated Chitosan as Treatment on a Syngeneic Breast Tumor Model”, *Anticancer Research*, 37(6), 2965-2974, 2017.
14. Meng Li, Lei Shi, Min Luo, Jia Chen, Bo Wang, Fuhe Zhang, Uma Keyal, Anil Kumar, **Wei R. Chen**, Xiuli Wang, “ Successful treatment of Rosai-Dorfman disease using *in situ* photoimmunotherapy”, *Indian Journal of Dermatology, Venereology, and Leprology*, 83, 332-336, 2017.
15. Mark F. Naylor, Feifan Zhou, Brian V. Geister, Robert E. Nordquist, Xiaosong Li, and **Wei R. Chen**, “Treatment of advanced melanoma with laser immunotherapy and ipilimumab”, *Journal of Biophotonics*, 10, 618-622, 2017.
16. Ahmed El-Hussein, Samuel S.K. Lam, Joseph Raker, **Wei R. Chen**, Michael R Hamblin. “N-Dihydrogalactochitosan as a potent immune activator for dendritic cells”, *Journal of Biomedical Materials Research Part A*. 105(4):963-972. doi: 10.1002/jbm.a.35991, 2017.

2016

17. Shi, L.; Luo, M.; **Chen, W.R.**; Hu, C.; Zhang, G.; Zhang, F.; Chen, J.; Mo, X.; Cai, Q.; Yang, L.; Wang, X. “In situ photoimmunotherapy for cutaneous granuloma caused by itraconazole-resistant *Candida guilliermondii*”, *Dermatologic Therapy*. 29(5):353-357, 2016.
18. Xiaoqiang Qi, Samuel SK Lam, Dai Liu, Dae Young Kim, Lixin Ma, Lu Alleruzzo, **Wei Chen**, Tomas Hode, Carolyn J Henry, Jussuf Kaifi, Eric T Kimchi, Guangfu Li, and Kevin F Staveley-O’Carroll, “Development of inCVAX, In situ Cancer Vaccine, and Its Immune Response in Mice with Hepatocellular Cancer”. *Journal of Clinical & Cellular Immunology*, 7(4), 438. doi: 10.4172/2155-9899.1000438. 2016
19. Feifan Zhou, Robert E. Nordquist, and **Wei R. Chen**, “Photonics immunotherapy – A novel strategy for cancer treatment”, *Journal of Innovative Optical Health Science*, 09, 1630001, 2016.

2015

20. Jie Ji, Yunfeng Zhang, **Wei R. Chen**, and Xuili Wang, "DC Vaccine Generated By ALA-PDA-Induced Immunogenic Apoptotic Cells for Skin Squamous Cell Carcinoma", *OncoImmunology*, 5(6), [e1072674]. DOI: 10.1080/2162402X.2015.1072674. 2015.
21. Xiaojie Wang, Jie Ji, Haiyan Zhang, Zhixia Fan, Linglin Zhang, Lei Shi, Feifan Zhou, **Wei R. Chen**, Hongwei Wang, and Xiuli Wang, "Simulation of dendritic cells by DAMPs in ALA-PDT treated SCC tumor cells", *Oncotarget*, doi: 10.18632, 2015.
22. Samuel S.K. Lam, Feifan Zhou, Tomas Hode, Robert E. Nordquist, Luciano Alleruzzo, Joseph Raker, and **Wei R. Chen**, "Advances in strategies and methodologies in cancer immunotherapy", *Discovery Medicine*, 105, 293-301, 2015.
23. Joseph T. Acquaviva III, Cody F. Bahavar, Feifan Zhou, Xiaosong Li, Eric W. Howard, Liz C. Bullen, Ricardo P. Silvy, and **Wei R. Chen**, "Anti-Tumor Response Induced by Immunologically Modified Carbon Nanotubes and Laser Irradiation Using Rat Mammary Tumor Model", *Journal of Innovative Optical Health Science*, 8(4), 1550036 (1-8), 2015.
24. Jie Ji, Zhixia Fan, Feifan Zhou, Xiaojie Wang, Lei Shi, Haiyan Zhang, Peiru Wang, Degang Yang, Linglin Zhang, **Wei R. Chen**, and Xiuli Wang, "Improvement of DC vaccine with ALA-PDT induced immunogenic apoptotic cells for skin squamous cell carcinoma", *Oncotarget*, 6(10), 17135-17146, 2015.
25. Zhifang Li, Haiyu Chen, Feifan Zhou, Hui Li, and **Wei R. Chen**, "Interstitial photoacoustic sensor for measurement of tissue temperature during interstitial laser phototherapy", *Sensors*, 15, 5583-5593, 2015; doi:10.3390/s150305583.
26. Feifan Zhou, Xiaosong Li, Mark F. Naylor, Tomas Hode, RSpatober E. Nordquist, Luciano Alleruzzo, Joseph Raker, Samuel S.K. Lam, Nan Du, Lei Shi, Xiuli Wang, **Wei R. Chen**, "InCVAX–A novel strategy for treatment of late-stage, metastatic cancers through photoimmunotherapy induced tumor-specific immunity", *Cancer Letters*, 359, 169-177, 2015, doi:10.1016/j.canlet.2015.01.029.
27. Zhifang Li, Haiyu Chen, Hui Li, and **Wei R. Chen**, "Optical properties of tissues quantified using morphological granulometry from phase-contrast images of thin tissue samples", *Journal of X-Ray Science and Technology*, 23, 111–118, 2015.

2014

28. Shu-lian Wu, Hui Li, Xiao-man Zhang, **Wei R. Chen**, and Yunxia Wang "Character of skin on photo-thermal response and its regeneration process using second-harmonic generation microscopy", *Lasers in Medical Science*, 29, 141-146, 2014.
29. Siwen Li, Jingyi Qin, Caiping Tian, Jie Cao, Guissi Fida, Zhaohui Wang, Haiyan Chen, Zhiyu Qian, **Wei R. Chen**, and Yueqing Gu, "The targeting mechanism of DHA ligand and its enhancement for tumor therapy", *Oncotarget*, 5(11), 3622-3635, 2014.
30. Ying-Ling Chen, Chung-Yih Wang, Feng-Yi Yang, Bo-Sheng Wang, Jason Y. Chen Liang-Ting Lin, Jyh-Der Leu, Fu-Du Chen, Yi-Jang Lee, and **Wei R. Chen**, "Synergistic effects of the immunoadjuvant glycosylated chitosan with high-intensity focused ultrasound on suppression of metastases in a syngeneic breast tumor model", *Cell Death & Disease*, 5, e1178, 2014.
31. Shengnan Wu, Feifan Zhou, Yanchun Wei, **Wei R. Chen**, Qun Chen, and Da Xing, "Cancer Phototherapy via Selective Photoinactivation of Respiratory Chain Oxidase to Trigger a Fatal Superoxide Anion Burst", *Antioxidants & Redox Signaling*, 20(5), 733-746, 2014.

32. Sheng Song, **Wei R. Chen**, and Feifan Zhou, "Effects of LPLI on microglial phagocytosis in LPS-induced neuroinflammation model", *Journal of Innovative Optical Health Sciences*, 7(3) 1350049(1-10), 2014.

2013

33. Yuchen Qiu, Xiaodong Chen, Yuhua Li, **Wei R. Chen**, Bin Zheng, Shibo Li, Hong Liu, "Evaluations of auto-focusing methods under a microscopic imaging modality for the metaphase chromosome image analysis", *Analytical Cellular Pathology*, 36, 37–44, 2013.
34. Feifan Zhou, Xiaosong Li, Sheng Song, Joseph T. Acquaviva III, Roman F. Wolf, Eric W. Howard, and **Wei R. Chen**, "Anti-tumor responses induced by laser irradiation and immunological stimulation using a mouse mammary tumor model", *Journal of Innovative Optical Health Sciences*, 6(4), 1350039, 2013.
35. Daqing Piao, Rheal A. Towner, Nataliya Smith, and **Wei R. Chen**, "Magnetothermoacoustics from magnetic nanoparticles by short bursting or frequency chirped alternating magnetic field: A theoretical feasibility analysis", *Medical Physics*, 40, 063301, 2013.
36. John F. Barthell, **Wei R. Chen**, Beverly K. Endicott, Charles A. Hughes, William J. Radke, Charlotte K. Simmons, and Gregory M. Wilson, "Encouraging and Sustaining a Culture of Student-Centered Research at a Predominantly Undergraduate Institution", *CUR Quarterly*, 34(1), 41-47, 2013.
37. Zhifang Li, Hui Li, Hui Zhang, Xiaona Lin, and **Wei R. Chen**, "Extracting optical scattering properties based on phase contrast images for diagnosing stomach cancer", *Laser Physics*, 23(4), 045605, 2013.
38. Xiaosong Li, Min Min, Nan Du, Ying Gu, Tomas Hode, Mark Naylor, Dianjun Chen, Robert E. Nordquist, and **Wei R. Chen**, "Chitins, chitosans, and glycated chitosan regulate immune responses: the novel adjuvants for cancer vaccine", *Clinical and Developmental Immunology*, 2013:387023, 2013.
39. Jie Cao, Sisi Cui, Siwen Li, Changli Du, Junmei Tian, Shunan Wan, Zhiyu Qian, Yueqing Gu, **Wei R. Chen**, and Guangji Wang, "Targeted cancer therapy with a 2-deoxyglucose-based adriamycin complex", *Cancer Research*, 73(4), 1362-1373, 2013.
40. Sheng Song, Feifan Zhou, **Wei R. Chen**, and Da Xing, "PDT-induced HSP70 externalization up-regulates NO production via TLR2 signal pathway in macrophages", *FEBS Letters*, 587, 128-135, 2013.
41. Yu Bin Liu, Zhi Fang Li, Wen Ming Xie, Hui Li, **Wei R. Chen**, and Hai Yu Chen, "Feasibility Study of Photoacoustic Imaging for Monitoring Temperature in Photothermal Therapy", *Advanced Materials Research*, 760-762, 873-875, 2013

2012

42. Yuchen Qiu, Xiaodong Chen, Yuhua Li, Bin Zheng, Shibo Li, **Wei R. Chen**, and Hong Liu, "The impact of the optical depth of field on cytogenetic image quality", *Journal of Biomedical Optics*, 17(9), 096017(1-7), 2012.
43. Sheng Song, Feifan Zhou, and **Wei R. Chen**, "Low-level laser therapy regulates microglial function through Src-mediated signaling pathways: Implications for neurodegenerative diseases", *Journal of Neuroinflammation*, 9, 219(1-17), 2012.

44. Xiaosong Li, Min Min, Ying Gu, Nan Du, Tomas Hode, Robert E. Nordquist, Roman F. Wolf, Eric Howard, John A. Lunn, Orn Adalsteinsson, and **Wei R. Chen**, “Laser Immunotherapy: Concept, Possible Mechanism, Clinical Applications and Recent Experimental Results”, *IEEE Journal of Selected Topics in Quantum Electronics*, 18, 1434-1438, 2012.
45. Zhifang Li, Hui Li, Zhiping Zeng, Wengming Xie, and **Wei R. Chen**, “Determination of an absolute optical absorption coefficient with a focusing photoacoustic imaging”, *Journal of Biomedical Optics*, 17, 061216(1-6), 2012.
46. Zheng Li, Shibo Li, Zheng Bin, Roy Zhang, Yuhua Li, Huimin Tian, **Wei R. Chen**, Hong Liu, “Potential clinical impact of three-dimensional visualization for fluorescent in situ hybridization image analysis”, *Journal of Biomedical Optics* 17, *JBO Letters*, 050501-(1-3), 2012.
47. Feifan Zhou, Shengnan Wu, Yi Yuan, **Wei R. Chen**, and Da Xing, “ Mitochondria-Targeting Photoacoustic Therapy Using Single-Walled Carbon Nanotubes”, *Small*, 8(10), 1543-1550. 2012.
48. Xiaohui Zheng, Feifan Zhou, Baoyan Wu, **Wei R. Chen**, and Da Xing, “Enhanced tumor treatment using biofunctional indocyanine green-containing nanostructure by intratumoral or intravenous injection”, *Molecular Pharmaceutics*, 9(3), 514-22, 2012.
49. Xianwang Wang, **Wei R. Chen**, and Da Xing, “A pathway from JNK through decreased ERK and Akt activities for FOXO3a nuclear translocation in response to UV irradiation”, *Journal of Cellular Physiology*, 227(3), 1168-1178, 2012.
50. Feifan Zhou, Shengnan Wu, Sheng Song, **Wei R. Chen**, Daniel E. Resasco, and Da Xing, “Antitumor Immunologically Modified Carbon Nanotubes for Photothermal Therapy”, *Biomaterials*, 33(11), 3235-42, 2012.

2011

51. Kelvin Le, Xiaosong Li, Daniel Figueroa, Rheal A. Towner, Philippe Garteiser, Debra Saunders, Nataliya Smith, Hong Liu, Tomas Hode, Robert E. Nordquist, and **Wei R. Chen**, “Assessment of Thermal Effects of Interstitial Laser Phototherapy on Mammary Tumors Using Proton Resonance Frequency Method”, *Journal of Biomedical Optics*, 16(12), 128001, 2011.
52. Feifan Zhou, Shengnan Wu, Baoyan Wu, **Wei R. Chen**, and Da Xing, “Mitochondria-Targeting Single-Walled Carbon Nanotubes for Cancer Photothermal Therapy”, *Small*, 7 (19), 2727–2735, 2011.
53. Feifan Zhou, Sheng Song, **Wei R. Chen**, and Da Xing, “Immunostimulatory properties of glycosylated chitosan”, *Journal of X-Ray Science and Technology*, 19, 285–292, 2011.
54. Xiaohui Zheng, Da Xing, Feifan Zhou, Baoyan Wu, and **Wei R. Chen**, “Indocyanine Green-Containing Nanostructure as Near Infrared Dual-Functional Targeting Probes for Optical Imaging and Photothermal Therapy”, *Molecular Pharmaceutics*, 8, 447-456, 2011.
55. Xiaosong Li, Gabriela L. Ferrel, Maria C. Guerra, Tomas Hode, John A. Lunn, Orn Adalsteinsson, Robert E. Nordquist, Hong Liu, and **Wei R. Chen**, “Preliminary safety and efficacy results of laser immunotherapy for the treatment of metastatic breast cancer patients”, *Photochemical & Photobiological Sciences*, 10, 817-821, 2011.
56. Xiaosong Li, Henry Le, Roman F. Wolf, Vivian A. Chen, Akhee Sarkar, Robert E. Nordquist, Halie Ferguson, Hong Liu, and **Wei R. Chen**, “Long-Term Effect on EMT6 Tumors in Mice Induced by Combination of Laser Immunotherapy and Surgery”, *Integrative Cancer Therapies*, 10, 368-373, 2011.

2010

57. Xiaosong Li and **Wei R. Chen**, “Laser Immunotherapy: Novel Modality to Treat Cancer through Specific Antitumor Immune Response”, *Chinese Journal of Lasers*, 37(11), 2698-2702, 2010.
58. Xiaosong Li, Mark F. Naylor, Henry Le, Robert E. Nordquist, T. Kent Teague, C. Anthony Howard, Cynthia Murray, and **Wei R. Chen**, “Clinical effects of in situ photoimmunotherapy on late-stage melanoma patients: A preliminary study”, *Cancer Biology & Therapy*, 10(11), 1081-1087, 2010.
59. Hui Li, Lei Liu, Da Xing, and **Wei R. Chen**, “Inhibition of JNK/Bim Pathway by Hsp70 Prevents Bax Activation in UV-induced Apoptosis”, *FEBS Letters*, 84(22), 4672-4678, 2010.
60. Xiaosong Li, Tomas Hode, Maria C. Guerra, Gabriela L. Ferrel, John A. Lunn, Orn Adalsteinsson, Robert E. Nordquist, and **Wei R. Chen**, “Combined effects of selective photothermal therapy and immunoadjuvant against Stage IV breast cancer”, *Journal of Innovative Optical Health Science*, 3, 279-284, 2010.
61. Yunlong Li, Da Xing, Qun Chen, and **Wei R. Chen**, “Enhancement of Chemotherapeutic Agent-Induced Apoptosis by Inhibition of NF- κ B Using Ursolic Acid”, *International Journal of Cancer*, 127, 462-473, 2010.
62. Feifan Zhou, Da Xing, Baoyan Wu, Shengnan Wu, Zhongmin Ou, and **Wei R. Chen**, “New insights of transmembranal mechanism and subcellular localization of noncovalently modified single-walled carbon nanotubes”, *Nano Letters*, 10, 1677-1681, 2010.
63. Feifan Zhou, Da Xing, Shengnan Wu, and **Wei R. Chen**, “Intravital imaging of tumor apoptosis with FRET probes during tumor therapy”, *Molecular Imaging and Biology*, 12, 63-70, 2010.

2009

64. Xiaoming Zhou, Da Xing, Yonghong Tang, and **Wei R. Chen**, “PCR-Free Detection of Genetically Modified Organisms Using Magnetic Capture Technology and Fluorescence Cross-Correlation Spectroscopy”, *PLoS ONE*, 4(11): e8074. doi:10.1371/journal.pone.0008074, 2009.
65. Lei Liu, Da Xing, and **Wei R. Chen**, “Micro-calpain regulates caspase-dependent and apoptosis inducing factor-mediated caspase-independent apoptotic pathways in cisplatin-induced apoptosis”, *International Journal of Cancer*, 125 (12), 2757-2766, 2009.
66. Xianwang Wang, Da Xing, Lei Liu, and **Wei R. Chen**, “BimL directly neutralizes Bcl-xL to promote Bax activation during UV-induced apoptosis”, *FEBS Letters* 583 (12), 1873-1879, 2009.
67. Feifan Zhou, Da Xing, and **Wei R. Chen**, “Regulation of HSP70 on activating macrophages using PDT-induced apoptotic cells”, *International Journal of Cancer*, 125, 1380-1389, 2009.
68. Feifan Zhou, Da Xing, and **Wei R. Chen**, “Single Cell Imaging of Bax Translocation during Apoptosis Induced by Photofrin-PDT”, *Journal of Innovative Optical Health Sciences*, 2, 209-214, 2009.
69. Sheng Song, Feifan Zhou, Robert E. Nordquist, Raoul Carubelli, Hong Liu, and **Wei R. Chen**, “Glycated chitosan as a new non-toxic immunological stimulant”, *Immunopharmacology and Immunotoxicology*, 31(2), 202–208, 2009.
70. Shengnan Wu, Da Xing, Xuejuan Gao, and **Wei R. Chen**, “High fluence low-power laser irradiation induces mitochondrial permeability transition mediated by reactive oxygen species”, *Journal of Cellular Physiology*, 218(3), 603-611, March 2009.
71. Lifang Liang, Xichao Wang, Da Xing, Tongsheng Chen, and **Wei R. Chen**, “Noninvasive Determination of Cell Nucleoplasmic Viscosity by Fluorescence Correlation Spectroscopy”, *Journal of Biomedical Optics*, 14, 024013, 2009.

72. Feifan Zhou, Da Xing, Zhongmin Ou, Baoyan Wu, Daniel E. Resasco, and **Wei R. Chen**, “Cancer photothermal therapy in the near-infrared region by using single-walled carbon nanotubes”, *Journal of Biomedical Optics*, 14, 021009, 2009.
73. Xingwei Wang, Bin Zheng, Shibo Li, Roy Zhang, John J. Mulvihill, Wei R.Chen, and Hong Liu, “Automated detection and analysis of fluorescent in situ hybridization spots depicted in digital microscopic images of pap-smear specimens”, *Journal of Biomedical Optics*, 14, 021002, 2009.

2008

74. Yichao Chen, Surya C. Gnyawali, Feng Wu, Hong Liu, Yasvir A. Tesiram, Andrew Abbott, Rheel A. Towner, and **Wei R. Chen**, “Magnetic resonance imaging guidance for laser photothermal therapy”, *Journal of Biomedical Optics*, Vol. 13, 044033, 2008.
75. Debin Zhu, Yabing Tang, Da Xing, and **Wei R. Chen**, “PCR-free quantitative detection of genetically modified organism from raw materials. An electrochemiluminescence-based bio bar code method”, *Analytical Chemistry*, 80, 3566-3571, 2008.
76. Feifan Zhou, Da Xing, and **Wei R. Chen**, “Dynamics and mechanism of HSP70 translocation induced by photodynamic therapy treatment”, *Cancer Letters*, 264, 135-144, 2008.
77. Abby Deans, Linda Hess, Michael Koss, Hong Liu, and **Wei R. Chen**, “Laser Photothermal Effects on Tumor Vasculature Using Laser Doppler Flowmetry”, *Journal of X-Ray Science and Technology*, 16, 51-57, 2008.
78. Lei Liu, Da Xing, **Wei R. Chen**, Tongsheng Chen, Yihui Pei, and Xuejuan Gao, “Calpain-mediated pathway dominates cisplatin-induced apoptosis in human lung adenocarcinoma cells as determined by real-time single cell analysis”, *International Journal of Cancer*, 122, 2210-2222, 2008.
79. Xingwei Wang, Shibo Li, Hong Liu, Marc Wood, **Wei R. Chen**, and Bin Zheng, “Automated identification of analyzable metaphase chromosomes depicted on microscopic digital images”, *Journal of Biomedical Informatics*, 41, 264-271, 2008.
80. Surya C. Gnyawali, Yichao Chen, Feng Wu, Kenneth E. Bartels, James P. Wicksted, Hong Liu, and **Wei R. Chen**, “Temperature Measurement on Tissue Surface during Laser Irradiation”, *Medical and Biological Engineering and Computing*, Vol. 46, 159-168, 2008.

2007

81. Yinyuan Wu, Da Xing, **Wei R. Chen**, and Xichao Wang, “Bid is not required for Bax translocation during UV-induced apoptosis”, *Cellular Signalling*, Vol. 19 (12) 2468-2478, 2007.
82. Sihua Yang, Da Xing, Yeqi Lao, Diwu Yang, Lvming Zeng, Liangzhong Xiang, and **Wei R. Chen**, “Noninvasive monitoring of traumatic brain injury and post-traumatic rehabilitation with laser-induced photoacoustic imaging”, *Applied Physics Letters*, 90, 243902 (1-3), 2007.
83. Shengnan Wu, Da Xing, Fang Wang, Tongsheng Chen, and **Wei R. Chen**, “Mechanistic Study of Apoptosis Induced by High Fluence Low Power Laser Irradiation Using Fluorescence Imaging Techniques”, *Journal of Biomedical Optics*, Vol. 12, 064015 (1-10), 2007.
84. Tongsheng Chen, Jinjun Wang, Da Xing, and **Wei R. Chen**, “Spatio-Temporal Dynamic Analysis of Bid Activation and Apoptosis Induced by Alkaline Condition in Human Lung Adenocarcinoma Cell”, *Cellular Physiology and Biochemistry*, Vol. 20, 569-578, (DOI:10.1159/000107540), 2007.
85. Feng Wu, Gail ter Haar, and **Wei R. Chen**, “High-intensity focused ultrasound ablation of breast cancer”, *Expert Review of Anticancer Therapy*, Vol 7, No. 6, 823-831, 2007.

86. Liangzhong Xiang, Da Xing, Huaimin Gu, Diwu Yang, Sihua Yang, Lvming Zeng, and **Wei R. Chen**, “Real-time optoacoustic monitoring of vascular damage during photodynamic therapy treatment of tumor”, *Journal of Biomedical Optics*, Vol 12, 014001 (Feb) 2007.
87. Feng Wu, Lan Zhou, and **Wei R. Chen**, “Host antitumour immune responses to HIFU ablation”, *International Journal of Hyperthermia*, 23(2): 165–171, 2007.
88. Yinyuan Wu, Da Xing, Lei Liu, Tongsheng Chen, and **Wei R. Chen**, “Fluorescence Resonance Energy Transfer Analysis of Bid Activation in Living Cells during Ultraviolet-induced Apoptosis”, *Acta Biochimica et Biophysica Sinica*, 39 (1), 37–45, 2007.
89. Da Zhang, John Rong, **Wei R. Chen**, Xizhen Wu and Hong Liu, “Impact of Additive Noise on System Performance of a Digital X-ray Imaging System”, *IEEE Transactions on Biomedical Engineering*, 54, 69-73, 2007.

2006

90. Xingwei Wang, Shibo Li, Hong Liu, John J. Mulvihill, **Wei R. Chen**, and Bin Zheng, “A Computer-Aided Method to Expedite the Evaluation of Prognosis for Childhood Acute Lymphoblastic Leukemia”, *Technology in Cancer Research and Treatment* 5(4), 429-436, 2006.
91. Mark F. Naylor, **Wei R. Chen**, T. Kent Teague, Lisa Perry, and Robert E. Nordquist, “In Situ Photo Immunotherapy: A Tumor-Directed Treatment Modality for Melanoma”, *British Journal of Dermatology*, 155, 1287-1292, 2006.
92. **Wei R. Chen**, Kenneth E. Bartels, Hong Liu, and Robert E. Nordquist, “Laser-Photothermal Effect on Skin Tissue – Damage and Recovery”, *Journal of X-Ray Science and Technology*, 14, 207-215, 2006.
93. **Wei R. Chen** and Zheng Huang, “Biophotonics and Immune Responses – Highlights from a new SPIE Photonics West Conference (BIOS 2006)”, *Photodiagnosis and Photodynamic Therapy*, Vol. 3, 184-189, 2006.
94. Jared J. Crochet, Surya C Gnyawali, Yichao Chen, Evan C. Lemley, Lihong V. Wang and **Wei R. Chen**, “Temperature Distribution in Selective Laser-Tissue Interaction”, *Journal of Biomedical Optics*, Vol. 11, 034031, 1-10, 2006.
95. Da Zhang John Rong, Robert Chu, **Wei R. Chen**, and Hong Liu, “DQE Measurements in Magnification X-ray Imaging”, *Journal of X-Ray Science and Technology*, 14, 141-150, 2006.
96. Yunxia Wu, Da Xing, and **Wei R. Chen**, “Single cell FRET imaging for determination of pathway of tumor cell apoptosis induced by photofrin-PDT”, *Cell Cycle*, 5:7, 720-734, 2006.
97. Zheng Huang, Qian Yong Gang and **Wei R. Chen** “Photodynamic Therapy and Anti-tumor Immune Responses”, *Chinese Journal of Laser Medicine and Surgery*, 15 (2), 121-124, 2006 (in Chinese).
98. Qirong Zhang, John Rong, Xizeng Wu, Yuhua Li, **Wei R. Chen**, and Hong Liu, “Impacts of Filtration on Contrast-Detail Detectability of an X-ray Imaging System”, *International Journal of Biomedical Imaging*, Vol 2006, 95754, 1-8, 2006.
99. **Wei R. Chen**, Zheng Huang, Mladen Korbelik, Robert E. Nordquist, and Hong Liu, “Photoimmunotherapy for Cancer Treatment”, *Journal of Environmental Pathology, Toxicology and Oncology*, 25, 281-291, 2006.

2005

100. Yueqing Gu, **Wei R. Chen**, Mengna Xia, Sang Won Jeong and Hanli Liu, “Effects of Photothermal Therapy on Breast Tumor Vascular Contents: Noninvasive Monitoring by Near-Infrared Spectroscopy”, *Photochemistry and Photobiology*, 81, 1002-1009, 2005.
101. D. Richard Ishmael, Hong Liu, John A. Nordquist, Robert E. Nordquist, and **Wei R. Chen**, “Phase I Trial of Concurrent Administration of Topotecan and Docetaxel for Cancer Treatment”, *Journal of Applied Research*, 5, 53-60, 2005.
102. Xingwei Wang, Bin Zheng, Marc Wood, Shibo Li, **Wei R. Chen**, and Hong Liu, “Development and evaluation of automated systems for detection and classification of banded chromosomes: current status and future perspectives”, *Journal of Physics D-Applied Physics*, 38, 2536–2542, 2005.
103. Qirong Zhang, Yuhua Li, Ben Steele, Xizeng Wu, **Wei R. Chen**, John Rong, and Hong Liu, “Comparison of a CMOS-based and a CCD-based digital x-ray imaging system: Observer studies”, *Journal of Electronic Imaging*, 14(2), 023002-1-023002-6, 2005.
104. David Tang, Yuhua Li, Jessica Wong, Sunny Po, Eugene Patterson, **Wei R. Chen**, Warren Jackman, and Hong Liu, “Characteristics of a CCD-based Optical Mapping System for the Study of Cardiac Arrhythmias”, *Journal of Biomedical Optics*, 10, 024009-1-024009-7, 2005.
105. **Wei R. Chen**, Mladen Korbelik, Kenneth E. Bartels, Hong Liu, Jinghai Sun, and Robert E. Nordquist, “Enhancement of laser cancer treatment by a chitosan-derived immunoadjuvant”, *Photochemistry and Photobiology*, 81, 190-195, 2005.

2004

106. Hemanth Athiraman, Roman F. Wolf, Kenneth E. Bartels, Suman Shivakoti, Hong Liu, and **Wei R. Chen**, “Selective Photothermal Tissue Interaction Using 805-nm Laser and Indocyanine Green in Tissue welding”, *Journal of X-Ray Science and Technology*, 12, 117-126, 2004.
107. Chang Ye, Qingming Luo, **Wei R. Chen**, Wenxi Liang, Weihua Luo, and Aijun Zhong, “Limitation in Detecting Internal Blood Vessels Using Digital X-ray Imaging Technique”, *Journal of X-Ray Science and Technology*, 12, 59-71, 2004.
108. Christopher A. Bailey, Thomas M. Cowan, Vinson G. Liu, Evan C. Lemley, and **Wei R. Chen**, “Optimization of Selective Hyperthermia”, *Journal of Biomedical Optics*, 9 (3), 648-654, 2004.

2003

109. **Wei R. Chen**, Sang Won Jeong, Michael D. Lucroy, Roman F. Wolf, Eric W. Howard, Hong Liu, and Robert E. Nordquist, “Induced antitumor immunity against DMBA-4 metastatic mammary tumors in rats using laser immunotherapy”, *International Journal of Cancer*, 107 (6), 1053-1057, 2003.
110. **Wei R. Chen**, Raoul Carubelli, Hong Liu, and Robert E. Nordquist, “Detection of Anti-Tumor Immunity Induced by Laser Immunotherapy”, *Molecular Biotechnology*, 25, 45-51, 2003.
111. **Wei R. Chen**, Raoul Carubelli, Hong Liu, and Robert E. Nordquist, “Laser Immunotherapy: A Novel Treatment Modality for Metastatic Tumors”, *Molecular Biotechnology*, 25, 37-43, 2003.
112. D. Richard Ishmael, **Wei R. Chen**, Steven A. Hamilton, Hong Liu, and Robert E. Nordquist, “A Phase I Human Trial of Mitoguazone and Gemcitabine Sequential Bi-Weekly Treatment of Cancer Patients”, *Cancer Investigation*, 21, 542-549, 2003.
113. D. Richard Ishmael, **Wei R. Chen**, John Nordquist, Hong Liu, and Robert E. Nordquist, “Synergistic Effect of Sequential Administration of Mitoguazone (MGBG) and Gemcitabine in

Treating Tissue Cultured Human Breast Cancer Cells and Mammary Rat Tumors”, *Cancer Investigation*, 21, 217-226, 2003.

2002

114. Hangyi Jiang, **Wei R. Chen**, and Hong Liu, “Techniques to improve the accuracy and to reduce the variance in noise power spectrum measurement”, *IEEE Transactions on Biomedical Engineering*, 49, 1270-1278, 2002.
115. Michael D. Lucroy, **Wei R. Chen**, Tisha D. Ridgway, Russell G. Higbee, and Kenneth E. Bartels, “Selective laser-induced hyperthermia for the treatment of spontaneous tumors in dogs”, *Journal of X-Ray Science and Technology*, 10, 237-243, 2002.
116. **Wei R. Chen**, Hong Liu, Raoul Carubelli and Robert E. Nordquist, “Synergistic Effect of Photothermal and Photoimmunological Reactions in Treatment of Metastatic Tumors”, *Journal of X-Ray Science and Technology*, 10, 225-235, 2002.
117. Vinson G. Liu, Thomas M. Cowan, Sang-Won Jeong, Steven L. Jacques, Evan C. Lemley and **Wei R. Chen**, “Selective photothermal interaction using an 805-nm diode laser and indocyanine green in gel phantom and chicken breast tissue”, *Lasers in Medical Science*, Vol. 17 No. 4, 272-279, 2002.
118. **Wei R. Chen**, Jerry W. Ritchey, Kenneth E. Bartels, Hong Liu, and Robert E. Nordquist, “Effect of different components of laser immunotherapy in treatment of metastatic tumors in rats”, *Cancer Research*, 62 4295-4299, 2002.
119. Yuhua Li, **Wei R. Chen**, Yimou Zhang, Wei Qian, and Hong Liu, “Comparison of analog and digital Fourier Transforms in medical image analysis”, *Journal of Biomedical Optics*, Vol. 7, No. 2 255-261, 2002.
120. Fabrice Ouandji, Eric Potter, **Wei R. Chen**, Yuhua Li, David Tang, and Hong Liu, “Characterization of a CCD-based digital x-ray imaging system for small animal studies: Properties of spatial resolution”, *Applied Optics*, Vol. 41, No.13, 2420-2427, 2002.

2001

121. Hangyi Jiang, **Wei R. Chen**, and Hong Liu, “Position-dependent image characteristics of a CCD-based full-field digital mammography system”, *Journal of X-Ray Science and Technology*, 9, 101-111, 2001.
122. Hangyi Jiang, **Wei R. Chen**, Ge Wang, and Hong Liu, “Localization error analysis for stereo x-ray image guidance with probability method”, *Medical Engineering and Physics*, Vol. 23, 573-581, 2001.
123. Hangyi Jiang, Hong Liu, and **Wei R. Chen**, “Determination of the monoplane 3D system geometry in X-ray imaging guidance”, *Journal of X-Ray Science and Technology*, 9, 19-28, 2001.
124. **Wei R. Chen**, Hong Liu and Robert E. Nordquist, “Dynamically observing intratumor injection of laser-absorbing dye and immunoadjuvant using digital x-ray imaging technique”, *Optical Engineering*, Vol. 40 (7), 1249-1254, 2001.
125. Hong Liu, Hangyi Jiang, Laurie L. Fajardo, Andrew Karellas, and **Wei R. Chen**, “Characteristics of lens distortion and methods to correct geometrical distortion caused by lenses in optically coupled digital x-ray imaging: A response to Dr. E. H. B. M. Gronenschild’s comment”, *Medical Physics*, Vol. 28(6), 1139-1140, 2001.

126. **Wei R. Chen**, Anil K. Singhal, Hong Liu, and Robert E. Nordquist, "Laser immunotherapy induced antitumor immunity and its adoptive transfer", (Advances in Brief) Cancer Research, 61, 459-461, 2001.

2000

127. Hangyi Jiang, Hong Liu, Ge Wang, Wei Chen and Laurie L. Fajardo, "A localization algorithm and error analysis for stereo x-ray image guidance", Medical Physics, 27, 885-893, 2000.
128. Hong Liu, Hangyi Jiang, Laurie L. Fajardo, Andrew Karellas, and **Wei R. Chen**, "Lens distortion in optically coupled digital x-ray imaging", Medical Physics, 27, 906-912, 2000.
129. **Wei R. Chen**, Hong Liu, John A. Nordquist and Robert E. Nordquist, "Tumor cell damage and leukocyte infiltration after laser immunotherapy treatment", Lasers in Medical Science, 15, 43-48, 2000.

1999

130. Fang Xu, Hong Liu, Xizeng Wu, Hangyi Jiang, Robert E. Nordquist and **Wei R. Chen**, "Measurement of x-ray attenuation coefficients of aqueous solutions of indocyanine green and glycyated chitosan", Medical Physics, 26, 1371-1374, 1999.
131. **Wei R. Chen**, Wei-Guo Zhu, Joseph R. Dynlacht, Hong Liu and Robert E. Nordquist, "Long-term tumor resistance induced by laser photo-immunotherapy", International Journal of Cancer, 81, 808-812, 1999.

1998

132. Joy Lin, Arne A. Troelstra and **Wei R. Chen**, "Quantization of a two-body system with a $1/r^4$ attractive force: A hypothetical quantum atomic structure", NCSSSMST Journal, Vol. 4(1), 9-12, 1998.
133. **Wei R. Chen** and Arne A. Troelstra, "The kinetic energy of a rotating figure skater", NCSSSMST Journal, Vol. 3(2), 3-5, 1998.

1997

134. Li-hong Wang, Robert E. Nordquist and **Wei R. Chen**, "Optimal beam size for light delivery to absorption-enhanced tumors buried in biological tissues and effect of multiple beam delivery: a Monte Carlo study", Applied Optics Vol. 36, 8286-8291, 1997.
135. **Wei R. Chen**, Robert L. Adams, Raoul Carubelli and Robert E. Nordquist, "Laser-photosensitizer assisted immunotherapy: A novel modality in cancer treatment", Cancer Letters, 115, 25-30, 1997.

1996

136. **Wei R. Chen**, Robert L. Adams, Aaron K. Higgins, Kenneth E. Bartels and Robert E. Nordquist, "Photothermal effects on murine mammary tumors using indocyanine green and an 808-nm diode laser: An in vivo efficacy study", Cancer Letters, 98, 169-173, 1996.

1995

137. **Wei R. Chen**, Arne Troelstra, and Xifan Liu, "Acceleration of a pendulum with arbitrary releasing positions", *NCSSSMST Journal*, 2, 17-22, 1995.
138. **Wei R. Chen**, Robert L. Adams, Kenneth E. Bartels and Robert E. Nordquist, "Chromophore-enhanced in vivo tumor cell destruction using an 808-nm diode laser", *Cancer Letters*, 94, 125-131, 1995.
139. **Wei R. Chen**, Robert L. Adams, Sean Heaton, D. Thomas Dickey, Kenneth E. Bartels and Robert E. Nordquist, "Chromophore-enhanced laser-tumor tissue photothermal interaction using 808 nm diode laser", *Cancer Letters*, 88, 15-19, 1995.

1987 – 1993

140. Moustafa Bahran, **Wei R. Chen** and George R. Kalbfleisch, "Fermi theory of nuclear β decay and heavy neutrino searches", *Physical Review D: Particles and fields*, 47, (Rapid Communications) R759-R763, 1993.
141. **Wei R. Chen**, Rudolph C. Hwa and Xin-Nian Wang, "Cluster cascading in the geometrical branching model", *Physical Review D: Particles and fields*, 43, 2425-2428, 1991.
142. **Wei R. Chen** and Rudolph C. Hwa, "Geometrical Branching model: Phenomenology with jets", *Physical Review D: Particles and fields*, 39, 179-186, 1989.
143. **Wei R. Chen**, Rudolph C. Hwa and Xing-Nian Wang, "Particle productivity in pp and pA collisions", *Physical Review D: Particles and fields*, 38, 3394-3396, 1988.
144. **Wei R. Chen** and Rudolph C. Hwa, "Branching, geometrical scaling, branching and Koba-Nielson-Olesen scaling", *Physical Review D: Particles and fields*, 36, 760-764, 1987.

D. PROCEEDING PAPERS

2018

1. Christiana C. Obioma; Elivia Layton; Khue Tu Doan; Gang Xu; Feifan Zhou, **Wei R. Chen**, Melville B. Vaughan, "Effect of near infrared lasers and glycosylated chitosan on myofibroblast differentiation and contraction", *SPIE Proceedings*, Vol. 10495, *Biophotonics and Immune Responses XIII*, 1049518, 2018.
2. Elivia Layton; Kyra A. Gallagher; Sara Zukerman; Brianna Stevens; Feifan Zhou; Hong Liu, **Wei R. Chen**, "Effects of low- and high-dose laser irradiation on destruction and migration of metastatic cancer cells", *SPIE Proceedings*, Vol. 10495, *Biophotonics and Immune Responses XIII*, 1049519, 2018.
3. Sean M. Laverty, Bryan A. Dawkins, **Wei R. Chen**, "The role and mechanics of dendritic cells in tumor antigen acquisition and presentation following laser immunotherapy", *SPIE Proceedings*, Vol. 10495, *Biophotonics and Immune Responses XIII*, 1049510, 2018.

4. Meng Wang, Benqing Zhou, Feifan Zhou, Junle Qu, **Wei R. Chen**, “A sensor array for detection proteins using lanthanide-doped nanoparticles”, SPIE Proceedings, Vol. 10495, Biophotonics and Immune Responses XIII, 104950V, 2018.
5. Benqing Zhou, Meng Wang, Feifan Zhou, Jun Song, Junle Qu, **Wei R. Chen**, “RGD peptide-targeted polyethylenimine-entrapped gold nanoparticles for targeted CT imaging of an orthotopic model of human hepatocellular carcinoma”, SPIE Proceedings, Vol. 10495, Biophotonics and Immune Responses XIII, 104950O, 2018.

2017

6. Elivia Layton, Rachel McNamar, Aamr M Hasanjee, Cayman McNair, Brianna Stevens, Melville Vaughan, Feifan Zhou, **Wei R. Chen**, “The effects of single-walled carbon nanotubes on cancer cell migration using a pancreatic tumor model”, SPIE Proceedings, Vol. 10065, Biophotonics and Immune Responses XII, 100650Z, 2017.
7. Connor L West, Aamr M Hasanjee, Blake Yong, Roman Wolf II, Kegan Silk, Rianna Ingalls, Feifan Zhou, **Wei R. Chen**, “Comparing the photothermal effects of gold nanorods and single-walled carbon nanotubes in cancer models”, SPIE Proceedings, Vol. 10065, Biophotonics and Immune Responses XII, 100650R, 2017.
8. Shaojie Liu, Austin Doughty, Sana Mesiya, Alex Pettitt, Feifan Zhou, **Wei R. Chen**, “Development of ex vivo model for determining temperature distribution in tumor tissue during photothermal therapy”, SPIE Proceedings, Vol. 10065, Biophotonics and Immune Responses XII, 100650Q, 2017.
9. Di Wu, Molly D Wong, Yuhua Li, Muhammad U Ghani, Bin Zheng, **Wei R. Chen**, Hong Liu, “Measurements of gold nanoparticle concentration with K-shell X-ray fluorescence spectrum”, SPIE Proceedings, Vol. 10065, Biophotonics and Immune Responses XII, 100650M, 2017.
10. Liqiang Ren, Muhammad U Ghani, Di Wu, Yuhua Li, **Wei R. Chen**, Ge Wang, Bin Zheng, Hong Liu, “Characteristic performance investigation of a photon counting detector for X-ray fluorescence imaging applications”, SPIE Proceedings, Vol. 10065, Biophotonics and Immune Responses XII, 100650L, 2017.
11. Muhammad U Ghani, Molly D Wong, Di Wu, Bin Zheng, **Wei R. Chen**, Laurie L Fajardo, Xizeng Wu, Hong Liu, “Detectability comparison of simulated objects within a dense breast phantom using high energy x-ray phase sensitive and conventional imaging systems”, SPIE Proceedings, Vol. 10065, Biophotonics and Immune Responses XII, 100650K, 2017.
12. Mark Naylor, Xiaosong Li, Tomas Hode, Lu Alleruzzo, Joseph Raker, Siu Kit Lam, Feifan Zhou, **Wei R. Chen**, “Laser immunotherapy for advanced solid tumors”, SPIE Proceedings, Vol. 10065, Biophotonics and Immune Responses XII, 1006509, 2017.
13. Xiaosong Li, Nan Du, Haijun Li, Shan Long, Dianjun Chen, Feifan Zhou, Yuanyuan Xu, Fuli Wang, **Wei R. Chen**, “Photothermal therapy combined with dinitrophenyl hapten for the treatment of late stage malignant melanoma”, SPIE Proceedings, Vol. 10065, Biophotonics and Immune Responses XII, 1006505, 2017.

2016

14. Hsin-Yu Chiu; Jyh-Der Leu; **Wei R. Chen**; Yi-Jang Lee. The synergistic effects of radiofrequency ablation (RFA) with glycosylated chitosan for inhibiting the metastasis of breast cancer. SPIE Proceedings, Vol. 9709, Biophotonics and Immune Responses XI, 97090R, 2016.
15. Liqiang Ren; Di Wu; Yuhua Li; **Wei R. Chen**; Bin Zheng; Hong Liu. Optimized acquisition time for x-ray fluorescence imaging of gold nanoparticles: a preliminary study using photon counting detector. SPIE Proceedings, Vol. 9709, Biophotonics and Immune Responses XI, 97090P, 2016.
16. Austin Doughty; Aamr Hasanjee; Alex Pettitt; Kegan Silk; Hong Liu; **Wei R. Chen**; Feifan Zhou. Temperature distribution in target tumor tissue and photothermal tissue destruction during laser immunotherapy. SPIE Proceedings, Vol. 9709, Biophotonics and Immune Responses XI, 97090N, 2016.
17. Aamr M. Hasanjee; Feifan Zhou; Connor West; Kegan Silk; Austin Doughty; Cody F. Bahavar; **Wei R. Chen**. Comparison of the photothermal effects of 808nm gold nanorod and indocyanine green solutions using an 805nm diode laser. SPIE Proceedings, Vol. 9709, Biophotonics and Immune Responses XI, 97090A, 2016.
18. Mark F. Naylor; Anh K. Lam; Cody F. Bahavar; Robert E. Nordquist; **Wei R. Chen**. Clinical effects of laser immunotherapy on metastatic cancer patients. SPIE Proceedings, Vol. 9709, Biophotonics and Immune Responses XI, 97090H, 2016.
19. Cody F. Bahavar, Feifan Zhou, Aamr M. Hasanjee, **Wei R. Chen**, and Melville Vaughan, "The effects of laser immunotherapy on cancer cell migration", SPIE Proceedings, Vol. 9709, Biophotonics and Immune Responses XI, 97090X, 2016.

2015

20. Di Wu, Molly D. Wong, Yuhua Li, **Wei R. Chen**, Xizeng Wu, and Hong Liu, "DQE Characterization of a High-energy In-line Phase Contrast Prototype under Different kVp and Beam Filtration", SPIE Proceedings, Vol. 9324, Biophotonics and Immune Responses X, 932418 (1-10), 2015.
21. Chun-Yuan Chang, Jyh-Der Leu, Chung-Yi Wang, **Wei R. Chen**, and Yi-Yang Lee, "The combination of radiotherapy and immunotherapy using glycosylated chitosan as an immunological stimulant", SPIE Proceedings, Vol. 9324, Biophotonics and Immune Responses X, 932416 (1-5), 2015.
22. Joseph T. Acquaviva III, Aamr M. Hasanjee, Cody F. Bahavar, Feifan Zhou, Hong Liu, Eric W. Howard, Liz C. Bullen, Ricardo P. Silvy, and **Wei R. Chen**, "Anti-tumor Response Induced by Immunologically Modified Carbon Nanotubes and Laser Irradiation using Rat Mammary Tumor Model", SPIE Proceedings, Vol. 9324, Biophotonics and Immune Responses X, 932415 (1-6), 2015.
23. Feifan Zhou, Aamr Hasanjee, Austin Doughty, Connor West, Hong Liu, and **Wei R. Chen**, "Photo-nano immunotherapy for metastatic breast cancer using synergistic single-walled

- carbon nanotubes and glycated chitosan", SPIE Proceedings, Vol. 9324, Biophotonics and Immune Responses X, 93240L (1-5), 2015.
24. Cody F. Bahavar, Feifan Zhou, Aamr M. Hasanjee, Connor L. West, Robert E. Nordquist, Thomas Hode, Hong Liu, and **Wei R. Chen**, "The immunological response created by interstitial and non-invasive laser immunotherapy", SPIE Proceedings, Vol. 9324, Biophotonics and Immune Responses X, 93240D (1-8), 2015.
 25. Jie Ji, Zhixia Fan, Feifan Zhou, Xiaojie Wang, Lei Shi, Haiyan Zhang, Peiru Wang, Degang Yang, Linglin Zhang, Xiuli Wang, and **Wei R. Chen**, "ALA-PDT mediated DC vaccine for skin squamous cell carcinoma", SPIE Proceedings, Vol. 9324, Biophotonics and Immune Responses X, 93240A (1-10), 2015.
 26. Mladen Korbelik, Judit Banáth, Evaldas Čiplys, Zdzislaw Szulc, Alicija Bielawska, and **Wei R. Chen**, "Activity of glycated chitosan and other adjuvants to PDT vaccines", SPIE Proceedings, Vol. 9324, Biophotonics and Immune Responses X, 932407 (1-5), 2015.
 27. **Wei R. Chen**, "Biophotonics and Immune Responses – The 10-Year Journey", SPIE Proceedings, Vol. 9324, Biophotonics and Immune Responses X, ix-xv, 2015.

2014

28. Sheng Song, Feifan Zhou, and **Wei R. Chen**, "Low-power laser irradiation (LPLI) attenuates microglial cytotoxicity through the activation of Src pathway", SPIE Proceedings, Vol. 8944, Biophotonics and Immune Responses IX, 89440Y (1-13), 2014.
29. **Wei R. Chen**, Feifan Zhou, Brock Henderson, Bailey Vasquez, Hong Liu, Tomas Hode, and Robert E. Nordquist, "Mechanistic studies of systemic immune responses induced by laser-nanotechnology ", SPIE Proceedings, Vol. 8944, Biophotonics and Immune Responses IX, 89440U (1-6), 2014.
30. Zhifang Li, Xiaona Lin, Hui Li, and **Wei R. Chen**, "Application of OCT elastography for diagnosis of thyroid hydatoncus", SPIE Proceedings, Vol. 8944, Biophotonics and Immune Responses IX, 89440N (1-9), 2014.
31. Feifan Zhou, Sheng Song, and **Wei R. Chen**, "Special antitumor immune effects of laser immunotherapy with SWNT-GC", SPIE Proceedings, Vol. 8944, Biophotonics and Immune Responses IX, 89440J (1-8), 2014.
32. Gabriela L. Ferrel, Feifan Zhou, Xiaosong Li, Tomas Hode, Robert E. Nordquist, Luciano Alleruzzo, and **Wei R. Chen**, "Effects of laser immunotherapy on late-stage, metastatic breast cancer patients in a Phase II clinical trial", SPIE Proceedings, Vol. 8944, Biophotonics and Immune Responses IX, 89440I (1-9), 2014.
33. Liqiang Ren, Di Wu, Yuhua Li, **Wei R. Chen**, and Hong Liu, "Background estimation methods for quantitative x-ray fluorescence analysis of gold nanoparticles in biomedical applications", SPIE Proceedings, Vol. 8944, Biophotonics and Immune Responses IX, 89440H (1-6), 2014.
34. Di Wu, Aimin Yan, Yuhua Li, **Wei R. Chen**, Xizeng Wu, and Hong Liu, "Phantom study based on a high-energy in-line phase contrast tomosynthesis prototype", SPIE Proceedings, Vol. 8944, Biophotonics and Immune Responses IX, 89440G (1-10), 2014.

35. Sean M. Lavery, Bryan A. Dawkins, and **Wei R. Chen**, "Laser immunotherapy and the tumor-immune system interaction: a mathematical model and analysis", SPIE Proceedings, Vol. 8944, Biophotonics and Immune Responses IX, 894409 (1-9), 2014.
36. Cody F. Bahavar, Joseph T. Acquaviva, Sheyla Rabei, Allie Sikes, Robert E. Nordquist, Tomas Hode, Hong Liu, and **Wei R. Chen**, "Effects of cyclophosphamide on laser immunotherapy for the treatment of metastatic cancer", SPIE Proceedings, Vol. 8944, Biophotonics and Immune Responses IX, 894408 (1-6), 2014.
37. Joseph T. Acquaviva, Ethan W. Wood, Aamr Hasanejee, **Wei R. Chen**, Melville B. Vaughan, "Effects of laser immunotherapy on tumor microenvironment ", SPIE Proceedings, Vol. 8944, Biophotonics and Immune Responses IX, 894407 (1-8), 2014.
38. Robert E. Nordquist, Cody Bahavar, Feifan Zhou, Tomas Hode, **Wei R. Chen**, Xiaosong Li, and Mark F. Naylor, "Laser assisted immunotherapy (LIT) for chemotherapy-resistant neoplasms: recent case reports", SPIE Proceedings, Vol. 8944, Biophotonics and Immune Responses IX, 894406 (1-7), 2014.

2013

39. Aqin Wang, Yuqi Chen, **Wei R. Chen**, and Yueqing Gu, "Novel 2DG-based harmine derivatives for targeted cancer therapy", SPIE Proceedings, Vol. 8582, 85820V(1-7), 2013.
40. Yuxiang Ma, Yuqi Chen, Sisi Cui, Juan Zhao, **Wei R. Chen**, and Yueqing Gu, "Preparation and characterization of a drug carrier for hepatocellular carcinoma targeting", SPIE Proceedings, Vol. 8582, 85820U(1-6), 2013.
41. Li Ding, **Wei R. Chen**, Yueqing Gu, "A bispecific peptide based near-infrared probe for in vivo tumor diagnosis", SPIE Proceedings, Vol. 8582, 85820T(1-6), 2013.
42. Y-L Chen, W-R Chen, R-S Liu, F-Y Yang, C-Y Wang, and Y-J Lee, "Using immunoadjuvant agent glycosylated chitosan to enhance anti-cancer stem like cell immunity induced by HIFU", SPIE Proceedings, Vol. 8582, 85820R(1-4), 2013.
43. Joseph T. Acquaviva III, Feifan Zhou, Ellen Boarman, and **Wei R. Chen**, "Anti-tumor response with immunologically modified carbon nanotubes and phototherapy", SPIE Proceedings, Vol. 8582, 85820L(1-8), 2013.
44. Di Wu, Muhammad U. Ghani, Hui Miao, Yuhua Li, **Wei R. Chen**, Xizeng Wu, and Hong Liu, "A Phantom Study to Characterize the Imaging Quality of a Phase-contrast Tomosynthesis Prototype", SPIE Proceedings, Vol. 8582, 85820J(1-5), 2013.
45. Yuchen Qiu, Yuhua Li, Liqiang Ren, **Wei R. Chen**, Bin Zheng, Shibo Li, and Hong Liu, "Objective evaluation of the microscopic image sharpness for diagnostic metaphase chromosomes", SPIE Proceedings, Vol. 8582, 85820I(1-5), 2013.
46. Muhammad U Ghani, Di Wu, Yuhua Li, Minhua Kang, **Wei R. Chen**, Xizeng Wu, and Hong Liu, "Quantitative Analysis of Contrast to Noise Ratio Using a Phase Contrast X-ray Imaging Prototype", SPIE Proceedings, Vol. 8582, 85820H(1-6), 2013.
47. Ryan T. Griswold, Brock Henderson, Jessica Goddard, Yongqian Tan, Tomas Hode, Hong Liu, Robert E. Nordquist, and **Wei R. Chen**, "Photothermal Effects of Immunologically Modified Carbon Nanotubes", SPIE Proceedings, Vol. 8582, 85820C(1-6), 2013.

48. Sisi Cui, Haiyan Chen, Zhiyu Qian, **Wei R. Chen**, and Yueqing Gu, “Folate receptor-mediated tumor-targeted upconversion nanocomplex for photodynamic therapy triggered by near-infrared light”, SPIE Proceedings, Vol. 8582, 85820A(1-9), 2013.
49. Zhifang Li, Yubing Liu, Hui Li, **Wei R. Chen**, Haiyu Chen, and Huan Wang, “Monitoring tissue temperature for photothermal cancer therapy based on photoacoustic imaging: a pilot study”, SPIE Proceedings, Vol. 8582, 858209(1-7), 2013.
50. Joseph T. Acquaviva III, **Wei R. Chen** and Melville B. Vaughan, “Biological effects of near-infrared lasers on fibroblast cellular differentiation, proliferation and contraction”, SPIE Proceedings, Vol. 8582, 858208(1-8), 2013.
51. Cody Bahavar, Jessica Goddard, Allie Sikes, Ellen Boarman, Robert E. Nordquist, Tomas Hode, Hong Liu, and **Wei R. Chen**, “Effects of interstitial laser immunotherapy for the treatment of metastatic cancer”, SPIE Proceedings, Vol. 8582, 858207(1-7), 2013.
52. Liqiang Ren, Yuchen Qiu, Zheng Li, Yuhua Li, Bin Zheng, Shibo Li, **Wei R. Chen**, and Hong Liu, “A preliminary investigation: the impact of microscopic condenser on depth of field in cytogenetic imaging”, SPIE Proceedings, Vol. 8580, 85800K(1-6), 2013.

2012

53. Cuixia Lu, Feifan Zhou, **Wei R. Chen**, and Da Xing, “Mechanistic study of macrophage activation by LPS stimulation using fluorescence imaging techniques”, SPIE Proceedings, Vol. 8329, 83290N(1-10), 2012.
54. Sheng Song, Feifan Zhou, **Wei R. Chen**, and Da Xing, “Direct imaging of macrophage activation during PDT treatment”, SPIE Proceedings, Vol. 8329, 83290M(1-10), 2012.
55. Sisi Cui, Hongyan Zhu, Haiyan Chen, Junmei Tian, **Wei R. Chen**, Yueqing Gu, “Surface modification of upconversion nanoparticles with amphiphilic chitosan for cancer cell imaging”, SPIE Proceedings, Vol. 8224, 82240V (1-9), 2012.
56. Junmei-Tian, Zhenzhen-Tu, **Wei R. Chen**, and Yueqing-Gu, “ER β regulates miR-21 expression and inhibits invasion and metastasis in cancer cells”, SPIE Proceedings, Vol. 8224, 82240U (1-9), 2012.
57. Jie Cao, Shunan Wan, Junmei Tian, Xuemei Chi, Changli Du, Dawei Deng, **Wei R. Chen**, and Yueqing Gu, “Synthesis of dimeric cyclic RGD based near-infrared probe for in vivo tumor diagnosis”, SPIE Proceedings, Vol. 8224, 82240T (1-12), 2012.
58. Xue-mei Chi, Jie Cao, Shu-nan Wang, Chang-li Du, **Wei R. Chen**, and Yue-qing GU, “Synthesis and characterization of NIR light-responsive LbL nanocapsules”, SPIE Proceedings, Vol. 8224, 82240J (1-9), 2012.
59. Ohkee K. Nag, Han Young Woo, and **Wei R. Chen**, “Cellular internalization of a membrane binding two-photon probe by a complex of anionic diblock copolymer and cationic surfactant,” SPIE Proceedings, Vol. 8224, 82240G (1-6), 2012.
60. Melville. B. Vaughan, Chelsea L. Spencer, Jessica Goddard, Jessnie Jose, and W. R. Chen, “Effect of near-infrared lasers on myofibroblast differentiation and contraction,” SPIE Proceedings, Vol. 8224, 82240F (1-6), 2012.
61. Yuchen Qiu, Xiaodong Chen, Zheng Li, Yuhua Li, **Wei R. Chen**, Bin Zheng, Shibo Li, and Hong Liu, “An Automatic Scanning Method for High Throughput Microscopic System

- to Facilitate Medical Genetic Diagnosis: An Initial Study”, SPIE Proceedings, Vol. 8224, 82240E (1-5), 2012.
62. Jessica Goddard, Jessnie Jose, Daniel Figueroa, Kelvin Le, Hong Liu, Robert E. Nordquist, Tomas Hode, and **Wei R. Chen**, “Magnetic resonance thermometry for monitoring photothermal effects of interstitial laser irradiation”, SPIE Proceedings, Vol. 8224, 82240A (1-11), 2012.
 63. Chet Joshi, Jessnie Jose, Daniel Figueroa, Jessica Goddard, Xiaosong Li, Hong Liu, Robert E. Nordquist, Tomas Hode, and **Wei R. Chen**, “Interstitial laser irradiation of metastatic mammary tumors in combination with intratumoral injection of immunoadjuvant”, SPIE Proceedings, Vol. 8224, 822408 (1-10), 2012.
 64. Mark F. Naylor, Henry Le, Xiaosong Li, Robert E. Nordquist, Tomas Hode, Hong Liu, and **Wei R. Chen**, “Long-term effects of laser-imiquimod combination in the treatment of late-stage melanoma patients”, SPIE Proceedings, Vol. 8224, 822406 (1-8), 2012.

2011

65. Feifan Zhou, Da Xing, and **Wei R. Chen**, “Direct imaging the subcellular localization of single-walled carbon nanotubes”, SPIE Proceedings, Vol. 7900, 79000E (1-8), 2011.
66. Sheng Song, Fei-fan Zhou, Si-hua Yang, and **Wei R. Chen**, “Molecular mechanism of PDT-induced apoptotic cells stimulation NO production in macrophages”, SPIE Proceedings, Vol. 7900, 790008 (1-10), 2011.
67. Yuchen Qiu, Xiaodong Chen, Yuhua Li, Zheng Li, Bin Zheng, Shibo Li, **Wei R. Chen**, and Hong Liu, “The impact of the depth of field to cytogenetic image quality in scanning microscopy”, SPIE Proceedings, Vol. 7900, 79000D (1-5), 2011.
68. Kelvin Le, Chet Joshi, Daniel Figueroa, Jessica Goddard, Xiaosong Li, Rheal A. Towner, Debra Saunders, Nataliya Smith, Hong Liu, Tomas Hode, Robert E. Nordquist, and **Wei R. Chen**, “Photothermal effect in tissues induced by interstitial irradiation of near infrared laser with a cylindrical diffuser”, SPIE Proceedings, Vol. 7900, 79000B (1-14), 2011.
69. *Invited Paper* Daniel Figueroa, Chet Joshi, Roman F. Wolf, Jonny Walla, Jessica Goddard, Mallory Martin, Stanley D. Kosanke, Fred S. Broach, Sean Pontius, Destiny Brown, Xiaosong Li, Eric Howard, Robert Nordquist, Tomas Hode, Hong Liu, and **Wei R. Chen**, “Interstitial laser immunotherapy for treatment of metastatic tumors in rats”, SPIE Proceedings, Vol. 7900, 79000A (1-11), 2011.
70. *Invited Paper* Tomas Hode, Orn Adalstenson, Gabriela L. Ferrel, John A. Lunn, Maria Guerra, Xiaosong Li, Robert E. Nordquist, and **Wei R. Chen**, “Laser immunotherapy for the treatment of human breast cancer: 1-year follow-up results”, SPIE Proceedings, Vol. 7900, 79000p (1-10), 2011.
71. Robert E. Nordquist, Sally L. Bishop, Halie Ferguson, Melville B. Vaughan, Jessnie Jose, Katherine Kastl, Long Nguyen, Xiaosong Li, Hong Liu, and **Wei R. Chen**, “Immunohistochemical analysis of immune response in breast cancer and melanoma patients after laser immunotherapy”, SPIE Proceedings, Vol. 7900, 790007 (1-10), 2011.
72. Xiaosong Li, Feifan Zhou, Henry Le, Roman F. Wolf, Eric Howard, Robert E. Nordquist, Tomas Hode, Hong Liu, and **Wei R. Chen**, “Mechanism study of tumor-specific immune

responses induced by laser immunotherapy”, SPIE Proceedings, Vol. 7900, 790006 (1-10), 2011.

73. *Invited Paper* Xiaosong Li, Tomas Hode, Maria C. Guerra, Gabriela L. Ferrel, Robert E. Nordquist, and **Wei R. Chen**, “Laser immunotherapy for treatment of patients with advanced breast cancer and melanoma”, Journal of Physics: Conference Series, 276, 012023, 2011.

2010

74. Xianwang Wang, Da Xing, and **Wei R. Chen**, “Analysis of GFP-FOXO3a nuclear-cytoplasmic shuttling in ASTC-a-1 cells under growth factor stimulation”, SPIE Proceedings, Vol. 7565, 75650O-(1-8), 2010.
75. Vivian, A. Chen, Henry, Le, Xiaosong, Li, Roman F. Wolf, Halie Ferguson, Akhee Sarkar, Hong Liu, Robert E. Nordquist, and **Wei R. Chen**, “Effect of laser immunotherapy and surgery on the treatment of mouse mammary tumors”, SPIE Proceedings, Vol. 7565, 756508-(1-8), 2010.
76. Tomas Hode, Maria C. Guerra, Gabriela L. Ferrel, John A. Lunn, Orn Adelsteinsson, Robert E. Nordquist, and **Wei R. Chen**, “Laser immunotherapy: initial results from a human breast cancer pilot trial”, SPIE Proceedings, Vol. 7565, 756507-(1-8), 2010.
77. Xiaosong Li, Mark F. Naylor, Robert E. Nordquist, T. Kent Teague, C. Anthony Howard, Cynthia Murray, and **Wei R. Chen**, “Preliminary results of a phase I/II clinical trial using in situ photoimmunotherapy combined with imiquimod for metastatic melanoma patients”, SPIE Proceedings, Vol. 7565, 756506-(1-8), 2010.

2009

78. Xingwei Wang, Bin Zheng, Shibo Li, Roy R. Zhang, Yuhua Li, John J. Mulvihill, **Wei R. Chen**, and Hong Liu, “Automated Segmentation and Analysis of Fluorescent in Situ Hybridization (FISH) Signals in Interphase Nuclei of Pap-smear Specimens”, SPIE Proceedings, Vol. 7176, 717609-(1-8), 2009.
79. Da Zhang, Xizeng Wu, Molly Wong, Yongshen Ni, John Rong, **Wei R. Chen**, and Hong Liu, “Error analysis in the measurement of x-ray photon fluence: an analysis on the uncertainty from energy calibration”, SPIE Proceedings, Vol. 7176, 71760I-(1-7), 2009.
80. Sheng Song, Da Xing, Feifan Zhou, and **Wei R. Chen**, “Effects of PDT-treated apoptotic cells on macrophages”, SPIE Proceedings, Vol. 7178, 71780O-(1-8), 2009.
81. Feifan Zhou, **Wei R. Chen**, and Sheng Song, “HSP70 inhibits Bax translocation during Photofrin-PDT apoptosis”, SPIE Proceedings, Vol. 7178, 71780D-(1-8), 2009.
82. **Wei R. Chen**, Akhee Sarker, Hong Liu, Mark, F. Naylor, and Robert E. Nordquist, “Effects of immunostimulants in phototherapy for cancer treatment”, SPIE Proceedings, Vol. 7178, 71780A-(1-8), 2009.

2008

83. Lei Liu, Da Xing, and **Wei R. Chen**, “Calpain mediates AIF-regulated caspase-independent pathway in cisplatin-induced apoptosis”, Proc. of SPIE, 6826, U361-U368, 2008.
84. Lei Liu, Da Xing, **Wei R. Chen**, and Qingling Wan, “Measuring dynamics of Bid activation in living cells during NPe6-PDT-induced apoptosis”, Advances in Biomedical Photonics and Imaging, 144-149, 2008.
85. Yichao Chen, Gaurav Kumar, Jennifer Ellis, Feng Wu, Hong Liu, Rheal A. Towner, **Wei R. Chen**, “Gel phantom in selective laser phototherapy”, SPIE Proceedings, Vol. 6870, 687008-(1-9), 2008.
86. Robert E. Nordquist, Mark F. Naylor, Hong Liu, Yichao Chen and **Wei R. Chen**, “Histological and morphological studies of immune responses induced by laser immunotherapy”, SPIE Proceedings, Vol. 6857, 68570Q-(1-8), 2008.
87. Surya C. Gnyawali, Kelvin Le, Henry Le, James P. Wicksted, Kenneth E. Bartels, Hong Liu, Yichao Chen, and **Wei R. Chen**, “Thermal Damage of Tissue during Near-Infrared Laser Irradiation with Assistance of Light-Absorbing Dye”, SPIE Proceedings, Vol. 6857, 68570O-(1-9), 2008.
88. Yuhua Li, John Rong, Robert Y. L. Chu, Da Zhang, Ann Archer, Laurie Fajardo, **Wei R. Chen**, Xizeng Wu, and Hong Liu, “Measurements of Imaging Parameters of a Phase Contrast X-ray Imaging Prototype”, SPIE Proceedings, Vol. 6857, 68570G-(1-6), 2008.
89. Marc C. Wood, Xingwei Wang, Bin Zheng, Shibo Li, **Wei R. Chen**, and Hong Liu, “Using Contrast Transfer Function to Evaluate the Effect of Motion Blur on Microscope Image Quality”, SPIE Proceedings, Vol. 6857, 68570F-(1-8), 2008.
90. Yichao Chen, Robert E. Nordquist, Mark F. Naylor, Feng Wu, Hong, Liu, Yasvir A. Tesiram, Andrew Abbott, Rheal A. Towner, and **Wei R. Chen**, “The correlation study of temperature distribution with the immunology response under laser radiation”, SPIE Proceedings, Vol. 6857, 68570E-(1-7), 2008.
91. Lei Liu, Da Xing, **Wei R. Chen**, Qingling Wan, and Feifan Zhou, “Spatial and Temporal Changes in Bax Subcellular Localization During NPe6-PDT-Induced Apoptosis”, SPIE Proceedings, Vol. 6857, 68570D-(1-7), 2008.
92. Feifan Zhou, Da Xing, and **Wei R. Chen**, “PDT-apoptotic tumor cells induce macrophage immune response”, SPIE Proceedings, Vol. 6857, 68570C-(1-8), 2008.
93. *Invited Paper* **Wei R. Chen**, Mark F. Naylor, Robert E. Nordquist, T. Kent Teague, and Hong Liu, “Immunological responses induced by the combination of phototherapy and immunotherapy in the treatment of metastatic tumors”, SPIE Proceedings, Vol. 6857, 685707-(1-7), 2008.
94. *Invited Paper* Mark F. Naylor, Robert E. Nordquist, T. Kent Teague, David A. Adelson, Lisa A. Perry, and **Wei R. Chen**, “In Situ Photoimmunotherapy for Advanced Cutaneous Melanoma”, SPIE Proceedings, Vol. 6857, 685702-(1-5), 2008.
95. Xingwei Wang, Bin Zheng, Shibo Li, John J. Mulvihill, **Wei R. Chen** and Hong Liu, “Development of an Integrated Computerized Scheme for Metaphase Chromosome Image Analysis: a Robustness Experiment”, SPIE Proceedings, Vol. 6855, 685507-(1-10), 2008.

2007

96. Fei-fan Zhou, Da Xing, and **Wei R. Chen**, “The HSP70 Release Regulates the Immune Response of Tumor Cells in PDT Treatment”, Proc. Intern. Conf. Compl. Med. Engineer., IEEE 07EX1719, 1009-1013, 2007.
97. Lei Liu, Da Xing, and **Wei R. Chen**, “Calpain mediates AIF-regulated caspase-independent pathway in cisplatin-induced apoptosis” SPIE Proceedings, Vol. 6826, 68261R-(1-8), 2007.
98. Feifan Zhou, Da Xing, **Wei R. Chen**, “The single cell analysis of HSP70 expression on tumor cell surface induced by PDT in living cells”, SPIE Proceedings, Vol. 6534 65341G-(1-8), 2007.
99. Lei Liu, Da Xing, and **Wei R. Chen**, “Sub-cell FRET imaging for determination of signaling pathway of cell apoptosis during tumor therapy”, SPIE Proceedings, Vol. 6534 653402-(1-10), 2007.
100. Yichao Chen, Surya C. Gnyawali, Hong Liu, Yasvir A. Tesiram, Andrew Abbott, Rheal A. Towner, and **Wei R. Chen**, “MRI 3D tissue temperature distribution measurement”, SPIE Proceedings, Vol. 6438, 64380N(1-8), 2007.
101. Lei Liu, Da Xing, Yihui Pei, and **Wei R. Chen**, “Real-time single cell analysis of Bid cleavage and translocation in cisplatin-induced apoptosis”, SPIE Proceedings, Vol. 6438, 64380G(1-9), 2007.
102. Surya C. Gnyawali, Yichao Chen, Feng Wu, Kenneth E. Bartels, Jerry W. Ritchey, James P. Wicksted, Hong Liu, and **Wei R. Chen**, “Determination of Surface Temperature Distribution in Biological Tissues during Laser-Immunotherapy”, SPIE Proceedings, Vol. 6438, 64380D(1-11), 2007.
103. Yichao Chen, Surya C. Gnyawali, Feng Wu, Hong Liu, Yasvir A. Tesiram, Andrew Abbott, Rheal A. Towner, and **Wei R. Chen**, “Tissue temperature distribution measurement by MRI and laser immunology for cancer treatment”, SPIE Proceedings, Vol. 6438, 64380C(1-12), 2007.
104. **Wei R. Chen**, Abdiwahab Mohamed, Mark, F. Naylor, Kenneth E. Bartels, Jerry W. Ritchey, Hong Liu, and Robert E. Nordquist, “Cellular immunological effects of laser irradiation and immunoadjuvant application”, SPIE Proceedings, Vol. 6438, 64380B(1-11), 2007.
105. Mark F. Naylor, Robert E. Nordquist, T. Kent Teague, Lisa A. Perry, and **Wei R. Chen**, “In Situ Photoimmunotherapy for Melanoma: An Ongoing Phase I Clinical Trial”, SPIE Proceedings, Vol. 6438, 643807(1-9), 2007.
106. Liangzhong Xiang, Da Xing, Huaimin Gu, Diwu Yang, Sihua Yang, Lvming Zeng, and **Wei R. Chen**, “Pulse laser integrated photodynamic therapy and photoacoustic imaging”, SPIE Proceedings, Vol. 64372B, 64372B(1-8), 2007.
107. Molly Donovan, Da Zhang, **Wei R. Chen**, and Hong Liu, “The characterization of a phase contrast x-ray imaging prototype”, SPIE Proceedings, Vol. 6436, 643608(1-9), 2007.

2006

108. Lei Liu, Da Xing, **Wei R. Chen**, Tongsheng Chen, Yihui Pei, and Xuanjuan Gao, “Spatial and temporal changes in bid and bax subcellular localization during cisplatin-induced apoptosis”, Proc. Int. Symposium Biophotonics, Nanophotonics & Metamaterials, 167-170, 2006.
109. Abby Deans, Linda Hess, Michael Koss, Hong Liu, and **Wei R. Chen**, “Monitoring perfusion changes in laser-treated tumors using laser Doppler flowmetry”, SPIE Proceedings Vol 6084, 60840F1-60840F-8, 2006.
110. Yi Yang Zhou, Hans K. Pew, John Rong, **Wei R. Chen**, Laurie Fajardo, Xizeng Wu, and Hong Liu, "Phantom imaging with a prototype phase contrast radiography system", SPIE Proceedings, Vol 6163, 61630E-1– 61630E-7, 2006.
111. **Wei R. Chen**, Zheng Huang, Kirill Andrienko, Stefan Stefanov, Roman F. Wolf and Hong Liu, “Effects of surgery, immunization, and laser immunotherapy on a non-immunogenic metastatic tumor model”, SPIE Proceedings, Vol 6163, 61630E-1–61630E-6, 2006.
112. Yichao Chen, Surya Gnyawali, Jeremy Bjorlie, Kirill Andrienko, Hong Liu, Yasvir A. Tesiram, Andrew Abbott, Rheal A. Towner, and **Wei R. Chen**, “Tissue temperature distribution measurement and laser immunotherapy for cancer treatment”, SPIE Proceedings, Vol. 6087, 60870H-1 – 60870H-11, 2006.
113. Mark F. Naylor Robert E. Nordquist, T. Kent Teague, Lisa A. Perry, and **Wei R. Chen**, “In Situ Photoimmunotherapy for Melanoma: Preliminary Clinical Result”, SPIE Proceedings, Vol. 6087, 608709-1 – 608709-7, 2006.
114. (*Invited Paper*) Zheng Huang, Hong Liu, and **Wei R. Chen**, “Light and Immune Systems – Activation of Immunological Activities”, SPIE Proceedings, Vol. 6087, 608701-1 – 608701-9, 2006.
115. **Wei R. Chen**, “Introduction”, SPIE Proceedings, Vol. 6087, xi-xiii, 2006.

2005

116. (Plenary Paper) **Wei R. Chen**, Kenneth E. Bartels, Hong Liu and Robert E. Nordquist, “Induction and detection of immune responses by photoimmunotherapy”, SPIE Proceedings, Vol. 5771, 1-7, 2005.
117. **Wei R. Chen**, Kirill Andrienko, Kenneth E. Bartels, Steven D. Martin, Hong Liu, and Robert E. Nordquist, “Laser photothermal therapy in treatment of mouse melanoma”, SPIE Proceedings Vol 5695, 236-242, 2005.
118. (*Invited Paper*) **Wei R. Chen**, Kenneth E. Bartels, Mladen Korbelik, Hong Liu, and Robert E. Nordquist, “Synergistic effects of laser and adjuvant therapies for cancer – Progress in the development of novel cancer treatment methods using combinations of photothermal, photochemical, immunotherapy and chemotherapy”, SPIE Proceedings, Vol 5695, 1-6, 2005.
119. Eric Potter, Fabrice Ouandji, Yuhua Li, Pascal Laignier, Preeti Kshirsagar, **Wei R. Chen** and Hong Liu, “An Observer-Based Study of an X-Ray Imaging System for Small Animal Research”, SPIE Proceedings, Vol 5692, 44-50, 2005.

120. (*Invited Paper*) **Wei R. Chen**, Mladen Korbelik, Liu Hong, and Robert E. Nordquist, “Cancer Treatment by photothermal, photochemical and photobiological interactions”, SPIE Proceedings, Vol 5630, 1-7, 2005.

2004

121. (*Invited Plenary Paper*) **Wei R. Chen**, Mladen Korbelik, Kenneth E. Bartels, Hong Liu, and Robert E. Nordquist, “Laser Immunotherapy: A Novel Approach for Metastatic Tumors”, SPIE Proceedings, Vol. 5474, 25-32, 2004.
122. Vinson G. Liu, Chris A. Bailey, Jared Crochet, and **Wei R. Chen**, “Simulation of selective photothermal interaction with dye enhancement”, SPIE Proceedings, Vol. 5319, 101-107, 2004.
123. (*Invited Paper*) **Wei R. Chen**, Mladen Korbelik, Jinghai Sun, Hong Liu, and Robert E. Nordquist, “Enhancement of glycated chitosan in laser cancer treatment”, SPIE Proceedings, Vol. 5319, 80-86, 2004.
124. Qirong Zhang, Xizeng Wu, **Wei R. Chen**, John Cheung, and Hong. Liu, “Quantum efficiency of a digital x-ray imaging system for small animal studies”, SPIE Proceedings Vol. 5318, 94-98, 2004.

2003

125. (*Invited Paper*) Sang won Jeong, Hong Liu, and **Wei R. Chen**, “Temperature control in deep tumor treatment”, SPIE Proceedings, Vol. 5068, 210-216, 2003.
126. (*Invited Paper*) **Wei R. Chen**, Kenneth E. Bartels, Jinghai Sun, Hong Liu, Robert E. Nordquist and Mladen Korbelik, “Dye-enhanced selective photothermal laser-tissue interaction and photodynamic therapy in combination with immunoadjuvant for cancer treatment”, SPIE Proceedings, Vol. 5254, 52-60, 2003.
127. David Y. Tang, Yuhua Li, Jianan Y. Qu, Sunny S. Po, Eugene S. Patterson, **Wei R. Chen**, Warren M. Jackman, and Hong Liu, “Preliminary study of a dual CCD based ratiometric optical mapping system”, SPIE Proceedings, Vol. 4958, 273-278, 2003.
128. Thomas M. Cowan, Christopher A. Bailey, Hong Liu, and **Wei R. Chen**, “Optimization of operating parameters for selective photothermal interactions using 805-nm diode laser and indocyanine green”, SPIE Proceedings, Vol. 4961, 24-31, 2003.
129. (*Invited Paper*) **Wei R. Chen**, Hong Liu, Michael D. Lucroy and Robert E. Nordquist, “Anti-tumor immunity induced by local photothermal-immunoadjuvant therapy in a poorly immunogenic metastatic tumor model”, SPIE Proceedings 4961, 18-23, 2003.

2002

130. (*Invited Paper*) **Wei R. Chen**, Hong Liu, Roman Wolf, Michael D. Lucroy, and Robert E. Nordquist, “Selective photothermal laser-tissue interaction with augmentation of

- immunoadjuvants in treatment of DMBA-4 metastatic mammary tumors in rats”, SPIE Proceedings, Vol. 4916, 37-42, 2002.
131. Jeremy W. Real and **Wei R. Chen**, “Optimization of selective energy absorption in tissue-simulating gelatin phantoms and chicken breast tissue”, Proceedings of 16th National Conference on Undergraduate Research, 2002.
 132. HemanthKumar Athiraman and **Wei R. Chen**, “Near-Infrared Laser and Laser-Absorbing Dye in Tissue Welding”, Proceedings of 16th National Conference on Undergraduate Research, 2002.
 133. Sang Won Jeong, Fakhrileen Albahadily, and **Wei R. Chen**, “Measurement of Optical Properties of Laser-Absorbing Dye Enhanced Gel Phantom for Selective Photothermal Interaction”, Proceedings of 16th National Conference on Undergraduate Research, 2002.
 134. Christopher A. Bailey, Evan C. Lemley, and **Wei R. Chen**, “Theoretical Study of Selective Photo-Thermal Interactions Using Monte Carlo Simulations”, Proceedings of 16th National Conference on Undergraduate Research, 2002.
 135. (*Invited Paper*) **Wei R. Chen**, Jerry W. Ritchey, Kenneth E. Bartles, Michael D. Lucroy, Hong Liu, and Robert E. Nordquist, “Laser immunotherapy in treatment of metastatic prostate tumors in rats”, SPIE Proceedings, Vol., 4707, 165-172, 2002.
 136. (*Invited Paper*) Thomas M. Cowan, Guangyu Liu, Sarah Simmons, Jeremy Real, Michael D. Lucroy, Kenneth E. Bartels, Robert E. Nordquist, and **Wei R. Chen**, “Selective photothermal interaction using near-infrared laser and laser-absorbing dye in gel phantom and chicken breast tissue”, SPIE Proceedings, Vol., 4617, 18-25, 2002.
 137. (*Invited Paper*) **Wei R. Chen**, Hong Liu, Roman Wolf, Michael D. Lucroy, and Robert E. Nordquist “Function of immunoadjuvants in laser immunotherapy for treatment of metastatic breast tumors in rats”, SPIE Proceedings, Vol., 4617, 11-17, 2002.
 138. David Tang, Yuhua Li, **Wei R. Chen**, and Hong Liu, “Feasibility studies of high spatial resolution cardiac optical mapping system”, SPIE Proceedings, Vol., 4615, 127-136, 2002.
 139. Hangyi Jiang, **Wei R. Chen**, and Hong Liu, “Effect of window function on noise power spectrum measurements in digital x-ray imaging”, SPIE Proceedings, Vol., 4615, 91-97, 2002.
 140. Fabrice Qunjj, Eric Potter, **Wei R. Chen**, and Hong Liu, “Impact of focal spot size on the spatial resolution of a digital x-ray imaging system for small animal studies”, SPIE Proceedings, Vol., 4615, 109-116, 2002.
 141. **Wei R. Chen**, Hong Liu, and Robert E. Nordquist, “Monitoring of laser treatment of rat tumors using digital x-ray imaging technique”, SPIE Proceedings, Vol. 4615, 117-126, 2002.
 142. **Wei R. Chen**, Hong Liu, and Robert E. Nordquist, “Mechanism of laser immunotherapy – role of immunoadjuvant and induction of anti-tumor immunity”, SPIE Proceedings, Vol. 4536, 82-89, 2002.

2001

143. Michael D. Lucroy, **Wei R. Chen**, Diana Sensney-Sears, Russell G. Higbee, and Kenneth E. Bartels, “Improved light delivery for chromophore-enhanced laser-induced

- hyperthermia in a subcutaneous murine breast cancer model”, SPIE Proceedings, Vol. 4244, 561-566, 2001.
144. (*Invited Paper*) **Wei R. Chen**, Michael D. Lucroy, Hong Liu, Kenneth E. Bartels, Baha Jassemnejad, Shawn L. Barker, Punit Gandhi, and Robert E. Nordquist, “Immuno-adjuvants in treatment of metastatic breast tumors using selective laser photothermal interaction”, SPIE Proceedings, Vol. 4257, 1-8, 2001.
145. **Wei R. Chen**, “Optimizing laser immunotherapy of tumors”, Bulletin of Therapeutic Advances, LeadDiscovery, <http://www.leaddiscovery.fsnet.co.uk/target-discovery/abstracts/0436.html>, 2001.

2000

146. Michael D. Lucroy, **Wei R. Chen**, Diana Sensney-Sears, Russell G. Higbee, and Kenneth E. Bartels, “Developing a subcutaneous murine breast cancer model for the evaluation of laser-induced hyperthermia”, Proceedings of the Veterinary Cancer Society 20th Annual Conference, October 15-18, 2000, Monterey, CA, p 87.
147. **Wei R. Chen**, Hong Liu, Ken E. Bartels and Robert E. Nordquist, “Functions of laser light, laser-absorbing dye and immuno-adjuvants in Photo Dynamic Immuno Therapy”, SPIE Proceedings, Vol. 4224, 322-330, 2000.
148. Andrea K. Ives, **Wei R. Chen**, Baha Jassemnejad, Kenneth E. Bartels, Hong Liu, John A. Nordquist and Robert E. Nordquist, “Laser-tissue photothermal interaction and tissue temperature change”, SPIE Proceedings, Vol. 3914, 94-101, 2000.
149. (*Invited Paper*) **Wei R. Chen**, Hong Liu, Anil K. Singhal, and Robert E. Nordquist, “Passive adoptive transfer of antitumor immunity induced by laser-dye-immuno-adjutant treatment in a rat metastatic breast cancer model”, SPIE Proceedings, Vol. 3914, 26-32, 2000.
150. Hangyi Jiang, Hong Liu, and **Wei R. Chen**, "A calibration Technique for Monoplane Stereo X-ray systems in image guidance", SPIE Proceedings, Vol. 3911, 122-129, 2000.

1999

151. Hangyi Jiang, Hong Liu, **Wei R. Chen** and L Laurie L. Fajardo, "Positional accuracy and sensitivity in X-ray Stereo-image guidance", SPIE Proceedings, 3595, 178-185, 1999.
152. **Wei R. Chen**, Ahmad El-Samad and Robert E. Nordquist, “Photothermal and immunological reactions against metastatic tumors using laser-photosensitizer-immuno-adjutant”, SPIE 3601, 75-81, 1999.

1998

153. **Wei R. Chen** and Robert E. Nordquist, “Control of metastatic mammary tumor by laser immunotherapy through local treatment”, SPIE 3548, 75-82, 1998.

154. J. Paul Wood, Kenneth E. Bartels, Ellen B. Davidson, Jerry Ritchey, Terry W. Lehenbauer, Robert E. Nordquist, and **Wei R. Chen**, "Laser-immunotherapy of canine and feline neoplasia", SPIE 3245, 432-440 1998.
155. Li-hong Wang, Guillermo Marquez, Robert E. Nordquist and **Wei R. Chen**, "Propagation and absorption of near-infrared laser light in photosensitizer-enhanced biological tissues", SPIE Vol. 3254, 332-339, 1998.
156. Robert E. Nordquist, John A. Nordquist, James C. Agee, Chad M. Blomquist and **Wei R. Chen**, "Morphological studies of metastatic mammary rat tumors after laser immunotherapy treatment", SPIE Vol. 3254, 36-41, 1998.
157. **Wei R. Chen**, Karen Robinson, Robert L. Adams, Anil Singhal and Robert E. Nordquist, "Anti-tumor immune responses induced by the treatment of photodynamic immunotherapy", SPIE Vol. 3254, 27-34, 1998.

1997

158. Li-hong Wang, **Wei R. Chen** and Robert E. Nordquist, "Theoretical studies of optimal light delivery for tumor treatment", SPIE Vol. 2975, 84-95, 1997.
159. **Wei R. Chen**, David A. Okrongly, Robert L. Adams, and Robert E. Nordquist, "Laser-tissue photobiological interaction: a new mechanism for laser-sensitizer-immunoadjuvant treatment of metastatic cancers", SPIE Vol. 2975, 290-297, 1997.

1996

160. **Wei R. Chen**, Kelly G. Wichert, Aaron K. Higgins, Kenneth E. Bartels, Robert L. Adams, and Robert E. Nordquist, "Effects of indocyanine green in treatment of murine mammary tumor by an 808 nm diode laser: an in vivo study", SPIE Vol. 2675, 114-121, 1996.
161. **Wei R. Chen**, Baha Jassemnejad, Jason Crull, Edward Knobee, and Robert E. Nordquist, "Detection and characterization of chemical-induced abnormal tissue and rat tumor at different stages using fluorescence spectroscopy", SPIE Vol. 2679, 55-64, 1996.
162. **Wei R. Chen**, Claudia L. Phillips, Kenneth E. Bartels, Robert L. Adams, and Robert E. Nordquist, "Indocyanine green in situ administration and photothermal destruction of tumor tissue using an 808 nm diode laser", SPIE Vol. 2681, 94-101, 1996.

1995

163. **Wei R. Chen**, Raleigh A. Holt and Robert E. Nordquist, "Laser hard tissue interaction: Energy transmission through human dental tissue using a holmium YAG laser", SPIE Vol. 2394, 68-77, 1995.

1994

164. **Wei R. Chen**, Andrew Holt and Robert E. Nordquist, "Ablation of skin tissue by holmium YAG laser", SPIE Vol. 2134A, 342-351, 1994.

1987-1991

165. **Wei R. Chen** and V. V. Dixit, "Debye-Huckel screening and the dissolution of the bound states", in Proc. of the 7th Winter Workshop on Nuclear Dynamics, Key West, Florida, 1991, edited by W. Bauer and J. Kapusta (World Scientific, Singapore, 1991) 238-241.
166. **Wei R. Chen**, "Massive cluster decay in multiparticle production", Conference of Particle and Fields, Bulletin of the American Physical Society, Jan. 1990.
167. **Wei R. Chen** and Rudolph C. Hwa, "Cross sections and multiplicity distributions with minijets", in Proc. of Shandong Workshop on Multiparticle Production, Jinan, China, 1987, edited by R. C. Hwa and Q.-B. Xie (World Scientific, Singapore, 1988), 276-282.