

Curriculum Vitae



Name: WEI JI (季伟)

Present Appointment: Professor

Contact Information: Department of Physics, Faculty of Science
National University of Singapore
Block 12, 2 Science Drive 3, Singapore 117542
Tel. No. (65) 6516 6373, Fax no. (65) 6777 6126
E-mail Address: phyjiwei@nus.edu.sg

Research Interests: Nano and novel materials for optoelectronics, nano-photonics and ultrafast phenomena

Academic/Professional Qualifications:

B.Sc. in Physics, Fudan University, Shanghai, China (1982)
M.Sc. in Optoelectronics and Laser Devices, Heriot-Watt University, Edinburgh, UK (1984)
Ph.D. in Physics, Heriot-Watt University, Edinburgh, UK (1986)

Awards/Honours:

Overseas Scholarship by the British Council, UK (1985, 1986)
M.Sc. Degree with Distinction by Heriot-Watt University, Edinburgh, UK (1984)
Teaching Awards by Faculty of Science, National University of Singapore (1995, 1996)

Career History:

Research Associate, Heriot-Watt University, Edinburgh, UK (1987-1990)
Lecturer, Senior Lecturer, Associate Professor, and Professor, National University of Singapore (1991 to date)

Research Achievements:

His pioneering works are well recognized of optical limiting with metal clusters and carbon nanotubes. And his recent works in multi-photon absorption in semiconductors and quantum dots were also well cited. He has published 190 papers in scientific journals listed in the ISI Web of Knowledge, given more than 50 conference presentations, and delivered over 30 invited talks. Total citation of his papers is over 2300 with the *h*-index of 38. He has been invited to review manuscripts for many journals, including Appl Phys Lett, Opt Lett, Opt Express,

Nature Nanotech, etc.. He also served as one member of the review panel for national science & technology awards for Chinese and Singapore governments.

Editorship for Scientific Journals:

He is an Associate Editor for Optical Materials Express published by the Optical Society of America.

Publication List by the ISI Web of Knowledge as at 31 July 2011

- 190 Yang, H; Feng, X.; Wang, Q.; Huang, H.; Chen, W.; Wee, A. T. S.; **Ji, W**
[Giant Two-Photon Absorption in Bilayer Graphene](#)
Nano Letters **11**, 2622 (2011)
- 189 Singh, R. S.; Nalla, V.; Chen, W.; Wee, A. T. S.; **Ji, W**
[Laser patterning of epitaxial graphene for Schottky junction photodetectors](#)
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- 188 Chng, TT; Polavarapu, L; Xu, QH; **Ji, W**; Zeng, HC
[Rapid Synthesis of Highly Monodisperse Au\(x\)Ag\(1-x\) Alloy Nanoparticles via a Half-Seeding Approach](#)
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[Synthesis and optical properties of \[C\(60\)/C\(70\)\] fullerene derivatives containing spirobifluorene and imidazole units](#)
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13 Issue: 2-4 Pages: 237-244 Published: MAR 2011
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- 185 Gu, B; Lou, K; Chen, J; Li, YN; Wang, HT; **Ji, W**
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OPTICS EXPRESS Volume: 18 Issue: 26 Pages: 26843-26853 DOI:
10.1364/OE.18.026843 Published: DEC 20 2010
- 184 Mamidala, V; Polavarapu, L; Balapanuru, J; Loh, KP; Xu, QH; **Ji, W**
[Enhanced nonlinear optical responses in donor-acceptor ionic complexes via photo induced energy transfer](#)
OPTICS EXPRESS Volume: 18 Issue: 25 Pages: 25928-25935 DOI:
10.1364/OE.18.025928 Published: DEC 6 2010
- 183 Balapanuru, J; Yang, JX; Xiao, S; Bao, QL; Jahan, M; Polavarapu, L; **Wei, J**; Xu,

- QH; Loh, KP
[A Graphene Oxide-Organic Dye Ionic Complex with DNA-Sensing and Optical-Limiting Properties](#)
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION Volume: 49 Issue: 37 Pages: 6549-6553 DOI: 10.1002/anie.201001004 Published: 2010
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[Determination of the nonlinear refractive index in multiphoton absorbers by Z-scan measurements](#)
JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS Volume: 27 Issue: 11 Pages: 2438-2442 Published: NOV 2010
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JOURNAL OF PHYSICAL CHEMISTRY C Volume: 114 Issue: 42 Pages: 18037-18044 DOI: 10.1021/jp104311j Published: OCT 28 2010
- 180 Midya, A; Mamidala, V; Yang, JX; Ang, PKL; Chen, ZK; **Ji, W**; Loh, KP
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SMALL Volume: 6 Issue: 20 Pages: 2292-2300 DOI: 10.1002/smll.201000981 Published: OCT 18 2010
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- 178 Luo, D.; Sun, X. W.; Dai, H. T.; Demir, H. V.; Yang, H. Z.; **Ji, W**
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- 176 Ouyang XH, Zeng GC, Zeng HP, **Ji W**
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- 175 Xing GC, Jiang J, Ying JY, **Ji W**
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- 171 Gu B, Lou K, Wang HT, **Ji W**
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- 168 Polavarapu L, Venkatram N, **Ji W**, et al.
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- 167 Luo D, Sun XW, Dai HT, Liu YJ, Yang HZ, **Ji W**
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two-photon-induced excited-state nonlinearities](#)
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- 157 Feng XB, Xing GC, **Ji W**
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- 155 Gu B, Sun Y, **Ji W**,
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