

Werner J Blau

List of Publications by Year in descending order

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Version: 2024-02-01

370
papers

27,302
citations

10351

72
h-index

6282

158
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378
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378
docs citations

378
times ranked

26076
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Layered PtSe ₂ for Sensing, Photonic, and (Opto)Electronic Applications. <i>Advanced Materials</i> , 2021, 33, e2004070. | 11.1 | 44 |
| 2 | Preparation of WS ₂ /PMMA composite films for optical applications. <i>Journal of Materials Chemistry C</i> , 2020, 8, 10805-10815. | 2.7 | 10 |
| 3 | Two-Photon Absorption in Monolayer MXenes. <i>Advanced Optical Materials</i> , 2020, 8, 1902021. | 3.6 | 50 |
| 4 | Ultrafast Carrier Dynamics and Bandgap Renormalization in Layered PtSe ₂ . <i>Small</i> , 2019, 15, e1902728. | 5.2 | 60 |
| 5 | Bacterially synthesized tellurium nanostructures for broadband ultrafast nonlinear optical applications. <i>Nature Communications</i> , 2019, 10, 3985. | 5.8 | 68 |
| 6 | Controllable Charge-Transfer Mechanism at Push-Pull Porphyrin/Nanocarbon Interfaces. <i>Journal of Physical Chemistry C</i> , 2019, 123, 14283-14291. | 1.5 | 10 |
| 7 | Saturable Absorption in 2D Nanomaterials and Related Photonic Devices. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800282. | 4.4 | 111 |
| 8 | Broadband saturable absorption and exciton-exciton annihilation in MoSe ₂ composite thin films. <i>Optical Materials Express</i> , 2019, 9, 483. | 1.6 | 17 |
| 9 | Nonlinear optical performance of few-layer molybdenum diselenide as a slow-saturable absorber. <i>Photonics Research</i> , 2018, 6, 674. | 3.4 | 34 |
| 10 | Intensity-dependent nonlinear refraction of antimonene dispersions in the visible and near-infrared region. <i>Applied Optics</i> , 2018, 57, E147. | 0.9 | 36 |
| 11 | Mechanism of large optical nonlinearity in gold nanoparticle films. <i>Optics Letters</i> , 2018, 43, 1455. | 1.7 | 8 |
| 12 | MoS ₂ /Carbon Nanotube Core-Shell Nanocomposites for Enhanced Nonlinear Optical Performance. <i>Chemistry - A European Journal</i> , 2017, 23, 3321-3327. | 1.7 | 57 |
| 13 | Fabrication and near-infrared optical responses of 2D periodical Au/ITO nanocomposite arrays. <i>Photonics Research</i> , 2017, 5, 280. | 3.4 | 23 |
| 14 | Ultrafast Nonlinear Optical Properties of a Graphene Saturable Mirror in the 2 μ m Wavelength Region. <i>Laser and Photonics Reviews</i> , 2017, 11, 1700166. | 4.4 | 38 |
| 15 | Influence of Graphene Oxide/Ag Nanoparticle Composites on the Fluorescence Properties of Organic Dyes. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 8901-8911. | 0.9 | 5 |
| 16 | Ag nanoparticle decorated graphene oxide: Fluorescence quenching and surface enhanced raman scattering. , 2016, , . | | 0 |
| 17 | Graphene and its derivatives for laser protection. <i>Progress in Materials Science</i> , 2016, 84, 118-157. | 16.0 | 128 |
| 18 | Ultrafast Nonlinear Excitation Dynamics of Black Phosphorus Nanosheets from Visible to Mid-Infrared. <i>ACS Nano</i> , 2016, 10, 6923-6932. | 7.3 | 231 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Production of Highly Monolayer Enriched Dispersions of Liquid-Exfoliated Nanosheets by Liquid Cascade Centrifugation. <i>ACS Nano</i> , 2016, 10, 1589-1601. | 7.3 | 365 |
| 20 | Facile fabrication of wafer-scale MoS ₂ neat films with enhanced third-order nonlinear optical performance. <i>Nanoscale</i> , 2015, 7, 2978-2986. | 2.8 | 58 |
| 21 | Covalent Modification of Graphene Oxide with Carbazole Groups for Laser Protection. <i>Chemistry - A European Journal</i> , 2015, 21, 4622-4627. | 1.7 | 20 |
| 22 | Dipoles align inside a nanotube. <i>Nature Nanotechnology</i> , 2015, 10, 205-206. | 15.6 | 8 |
| 23 | Saturable absorption behavior of free-standing graphene polymer composite films over broad wavelength and time ranges. <i>Optics Express</i> , 2015, 23, 559. | 1.7 | 65 |
| 24 | Tunable nonlinear refractive index of two-dimensional MoS ₂ , WS ₂ , and MoSe ₂ nanosheet dispersions [Invited]. <i>Photonics Research</i> , 2015, 3, A51. | 3.4 | 146 |
| 25 | Liquid exfoliation of solvent-stabilized few-layer black phosphorus for applications beyond electronics. <i>Nature Communications</i> , 2015, 6, 8563. | 5.8 | 921 |
| 26 | Ultrafast Nonlinear Absorption and Nonlinear Refraction of 2D Layered Molybdenum Dichalcogenide Semiconductors. , 2015, , . | | 1 |
| 27 | Nonlinear optical propagation in a tandem structure comprising nonlinear absorption and scattering materials. <i>Applied Physics Letters</i> , 2014, 104, 021110. | 1.5 | 10 |
| 28 | Hybrid Plasmonic Nanostructures with Unconventional Nonlinear Optical Properties. <i>Advanced Optical Materials</i> , 2014, 2, 331-337. | 3.6 | 12 |
| 29 | Tunable effective nonlinear refractive index of graphene dispersions during the distortion of spatial self-phase modulation. <i>Applied Physics Letters</i> , 2014, 104, . | 1.5 | 84 |
| 30 | Broadband ultrafast nonlinear absorption and nonlinear refraction of layered molybdenum dichalcogenide semiconductors. <i>Nanoscale</i> , 2014, 6, 10530-10535. | 2.8 | 328 |
| 31 | Wash-free highly sensitive detection of C-reactive protein using gold derivatised triangular silver nanoplates. <i>RSC Advances</i> , 2014, 4, 29022-29031. | 1.7 | 25 |
| 32 | A General Strategy for Hybrid Thin Film Fabrication and Transfer onto Arbitrary Substrates. <i>Scientific Reports</i> , 2014, 4, 4822. | 1.6 | 12 |
| 33 | Solvent effect on the nonlinear absorption of 5,10-A ₂ B ₂ meso substituted porphyrins. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 1811-1823. | 1.6 | 9 |
| 34 | Ultrafast Saturable Absorption of Two-Dimensional MoS ₂ Nanosheets. <i>ACS Nano</i> , 2013, 7, 9260-9267. | 7.3 | 905 |
| 35 | Nonlinear absorption properties of 5,10-A ₂ B ₂ porphyrinsâ€”correlation of molecular structure with the nonlinear responses. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 996-1007. | 1.6 | 29 |
| 36 | Modeling of Nonlinear Absorption of 5,10-A ₂ B ₂ Porphyrins in the Nanosecond Regime. <i>Journal of Physical Chemistry A</i> , 2013, 117, 15-26. | 1.1 | 43 |

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|----|--|-----|-----------|
| 37 | Laser induced protonation of free base porphyrin in chloroform results in the enhancement of positive nonlinear absorption due to conformational distortion. Journal of Porphyrins and Phthalocyanines, 2013, 17, 1129-1133. | 0.4 | 12 |
| 38 | Controllable broadband nonlinear optical response of graphene dispersions by tuning vacuum pressure. Optics Express, 2013, 21, 16486. | 1.7 | 32 |
| 39 | Nonlinear Properties of Graphene Dispersions and Thin Films at a Wavelength of 1.2 μm . Journal of Nanoelectronics and Optoelectronics, 2013, 8, 23-27. | 0.1 | 2 |
| 40 | Optical Third-Order Nonlinearity of Triangular Silver Nanoprisms. , 2013, , . | | 0 |
| 41 | Feature issue introduction: nanocarbon for photonics and optoelectronics. Optical Materials Express, 2012, 2, 891. | 1.6 | 2 |
| 42 | Cytotoxicity evaluation of nanoclays in human epithelial cell line A549 using high content screening and real-time impedance analysis. Journal of Nanoparticle Research, 2012, 14, 1. | 0.8 | 64 |
| 43 | Indium(III) and Gallium(III) phthalocyanines-based nanohybrid materials for optical limiting. Materials Chemistry and Physics, 2012, 137, 188-193. | 2.0 | 11 |
| 44 | Synthesis and analysis of thin conducting pyrolytic carbon films. Carbon, 2012, 50, 1216-1226. | 5.4 | 116 |
| 45 | The electrical stimulation of carbon nanotubes to provide a cardiomimetic cue to MSCs. Biomaterials, 2012, 33, 6132-6139. | 5.7 | 189 |
| 46 | Nonlinear optical properties of carbon nanotube hybrids in polymer dispersions. Materials Chemistry and Physics, 2012, 133, 992-997. | 2.0 | 30 |
| 47 | Synthesis, electrical and magnetotransport properties of polypyrrole-MWCNT nanocomposite. Solid State Communications, 2012, 152, 13-18. | 0.9 | 37 |
| 48 | In situ synthesis and optical limiting response of poly(N-vinylcarbazole) functionalized single-walled carbon nanotubes. Nanotechnology, 2011, 22, 015204. | 1.3 | 14 |
| 49 | Synthesis and strong optical limiting response of graphite oxide covalently functionalized with gallium phthalocyanine. Nanotechnology, 2011, 22, 205704. | 1.3 | 36 |
| 50 | Anomalous electrical transport properties of polyvinyl alcohol-multiwall carbon nanotubes composites below room temperature. Journal of Applied Physics, 2011, 109, 033707. | 1.1 | 26 |
| 51 | Materials and Devices for Organic Electronics. Journal of Nanotechnology, 2011, 2011, 1-2. | 1.5 | 5 |
| 52 | Carbazole-linked porphyrin dimers for organic light emitting diodes: synthesis and initial photophysical studies. Tetrahedron, 2011, 67, 8248-8254. | 1.0 | 34 |
| 53 | Graphene and Carbon Nanotube Polymer Composites for Laser Protection. Journal of Inorganic and Organometallic Polymers and Materials, 2011, 21, 736-746. | 1.9 | 37 |
| 54 | Scaling of Surface Plasmon Resonances in Triangular Silver Nanoplate Sols for Enhanced Refractive Index Sensing. Plasmonics, 2011, 6, 351-362. | 1.8 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Conjugated polymer covalently modified multiwalled carbon nanotubes for optical limiting. Journal of Polymer Science Part A, 2011, 49, 101-109. | 2.5 | 16 |
| 56 | In vitro Characterization of an Electroactive Carbonâ€Nanotubeâ€Based Nanofiber Scaffold for Tissue Engineering. Macromolecular Bioscience, 2011, 11, 1272-1282. | 2.1 | 39 |
| 57 | 5,15â€A₂B₂â€and 5,15â€A₂BCâ€Type Porphyrins with Donor and Acceptor Groups for Use in Nonlinear Optics and Photodynamic Therapy. European Journal of Organic Chemistry, 2011, 2011, 5797-5816. | 1.2 | 117 |
| 58 | Synthesis and characterization of polyaniline/carbon nanotube composites. Journal of Applied Polymer Science, 2011, 119, 1016-1025. | 1.3 | 39 |
| 59 | Graphene oxide covalently functionalized with zinc phthalocyanine for broadband optical limiting. Carbon, 2011, 49, 1900-1905. | 5.4 | 255 |
| 60 | Activation behavior and dielectric relaxation in polyvinyl alcohol and multiwall carbon nanotube composite films. Solid State Communications, 2011, 151, 754-758. | 0.9 | 26 |
| 61 | Molecular Engineering of Nonplanar Porphyrin and Carbon Nanotube Assemblies: A Linear and Nonlinear Spectroscopic and Modeling Study. Journal of Nanotechnology, 2011, 2011, 1-12. | 1.5 | 67 |
| 62 | Ferromagnetic Behaviour of Nickel Contacted Multiwalled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2010, 10, 2606-2610. | 0.9 | 0 |
| 63 | The importance of solvent properties for optical limiting of carbon nanotube dispersions. Optics Communications, 2010, 283, 464-468. | 1.0 | 30 |
| 64 | Electrical and rheological percolation of PMMA/MWCNT nanocomposites as a function of CNT geometry and functionality. European Polymer Journal, 2010, 46, 854-868. | 2.6 | 186 |
| 65 | Multi-walled carbon nanotubes covalently functionalized with polyhedral oligomeric silsesquioxanes for optical limiting. Carbon, 2010, 48, 1738-1742. | 5.4 | 48 |
| 66 | Strong nonlinear photonic responses from microbiologically synthesized tellurium nanocomposites. Chemical Physics Letters, 2010, 484, 242-246. | 1.2 | 14 |
| 67 | Optical limiting study of double wall carbon nanotubeâ€Fullerene hybrids. Chemical Physics Letters, 2010, 489, 207-211. | 1.2 | 27 |
| 68 | Multiwalled carbon nanotubes covalently functionalized with poly(<i>N</i> -vinylcarbazole) via RAFT polymerization: Synthesis and nonlinear optical properties. Journal of Polymer Science Part A, 2010, 48, 3161-3168. | 2.5 | 25 |
| 69 | Characterization and electrical transport properties of polyaniline and multiwall carbon nanotube composites. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1767-1775. | 2.4 | 21 |
| 70 | Near-infrared electroluminescence and stimulated emission from semiconducting nonconjugated polymer thin films. Journal of Applied Physics, 2010, 107, 023103. | 1.1 | 4 |
| 71 | Nonlinear Transmission, Scattering and Optical Limiting Studies of Graphene Dispersions. , 2010, , . | | 0 |
| 72 | Versatile Solution Phase Triangular Silver Nanoplates for Highly Sensitive Plasmon Resonance Sensing. ACS Nano, 2010, 4, 55-64. | 7.3 | 150 |

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|----|---|------|-----------|
| 73 | Control of Optical Limiting of Carbon Nanotube Dispersions by Changing Solvent Parameters. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6148-6156. | 1.5 | 42 |
| 74 | Gas phase controlled deposition of high quality large-area graphene films. <i>Chemical Communications</i> , 2010, 46, 1422. | 2.2 | 42 |
| 75 | Studies on the Nonlinear Optical and Optical Limiting Properties of Perfluorinated Titanium (IV) Phthalocyanines. <i>Guangxue Xuebao/Acta Optica Sinica</i> , 2010, 30, 1122-1129. | 0.2 | 0 |
| 76 | Low Temperature Graphene Growth. <i>ECS Transactions</i> , 2009, 19, 175-181. | 0.3 | 8 |
| 77 | Broadband Nonlinear Optical Response of Graphene Dispersions. <i>Advanced Materials</i> , 2009, 21, 2430-2435. | 11.1 | 486 |
| 78 | The examination of the Book of Kells using micro-Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 1043-1049. | 1.2 | 48 |
| 79 | Functionalised multi-walled carbon nanotubes for epoxy nanocomposites with improved performance. <i>Polymer International</i> , 2009, 58, 1002-1009. | 1.6 | 20 |
| 80 | Characterization of melanin-overproducing transposon mutants of <i>Pseudomonas putida</i> F6. <i>FEMS Microbiology Letters</i> , 2009, 298, 174-183. | 0.7 | 20 |
| 81 | A blue light emitting perylene derivative with improved solubility and aggregation control: Synthesis, characterisation and optical limiting properties. <i>Organic Electronics</i> , 2009, 10, 674-680. | 1.4 | 33 |
| 82 | Correlation studies on structurally diverse porphyrin monomers, dimers and trimers and their nonlinear optical responses. <i>Chemical Physics Letters</i> , 2009, 477, 330-335. | 1.2 | 30 |
| 83 | The spatial uniformity and electromechanical stability of transparent, conductive films of single walled nanotubes. <i>Carbon</i> , 2009, 47, 2466-2473. | 5.4 | 165 |
| 84 | Silver Nanowire Networks as Flexible, Transparent, Conducting Films: Extremely High DC to Optical Conductivity Ratios. <i>ACS Nano</i> , 2009, 3, 1767-1774. | 7.3 | 1,472 |
| 85 | Synthesis and characterisation of controllably functionalised polyaniline nanofibres. <i>Synthetic Metals</i> , 2009, 159, 741-748. | 2.1 | 32 |
| 86 | Preparation and Optical Limiting Properties of Multiwalled Carbon Nanotubes with π -Conjugated Metal-Free Phthalocyanine Moieties. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13029-13035. | 1.5 | 86 |
| 87 | Fabrication of vertically aligned carbon nanotubes for spintronic device applications. <i>Journal of Materials Chemistry</i> , 2009, 19, 7216. | 6.7 | 4 |
| 88 | Fabrication and field emission property studies of vertically aligned multiwalled carbon nanotubes grown by double plasma chemical vapour deposition technique. <i>Diamond and Related Materials</i> , 2009, 18, 967-971. | 1.8 | 6 |
| 89 | Carbon nanotubes and nanotube composites for nonlinear optical devices. <i>Journal of Materials Chemistry</i> , 2009, 19, 7425. | 6.7 | 217 |
| 90 | Inorganic and hybrid nanostructures for optical limiting. <i>Journal of Optics</i> , 2009, 11, 024001. | 1.5 | 178 |

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|-----|--|------|-----------|
| 91 | Transparent, Flexible, and Highly Conductive Thin Films Based on Polymer-Nanotube Composites. ACS Nano, 2009, 3, 714-720. | 7.3 | 271 |
| 92 | Photophysical and Optical Limiting Properties of Axially Modified Phthalocyanines. Mini-Reviews in Organic Chemistry, 2009, 6, 55-65. | 0.6 | 59 |
| 93 | The conversion of BTEX compounds by single and defined mixed cultures to medium-chain-length polyhydroxyalkanoate. Applied Microbiology and Biotechnology, 2008, 80, 665-673. | 1.7 | 58 |
| 94 | Nonlinear optical and optical limiting properties of individual single-walled carbon nanotubes. Applied Physics B: Lasers and Optics, 2008, 91, 521-524. | 1.1 | 59 |
| 95 | Strong, Tough, Electrospun Polymer-Nanotube Composite Membranes with Extremely Low Density. Advanced Functional Materials, 2008, 18, 2618-2624. | 7.8 | 59 |
| 96 | Towards Solutions of Single-Walled Carbon Nanotubes in Common Solvents. Advanced Materials, 2008, 20, 1876-1881. | 11.1 | 333 |
| 97 | Quantifying the contributions of inner-filter, re-absorption and aggregation effects in the photoluminescence of high-concentration conjugated polymer solutions. Journal of Luminescence, 2008, 128, 31-40. | 1.5 | 24 |
| 98 | Optical and nonlinear optical properties of an octasubstituted liquid crystalline copper phthalocyanine. Dyes and Pigments, 2008, 76, 569-573. | 2.0 | 19 |
| 99 | Linear and nonlinear spectroscopic studies of phthalocyanine-carbon nanotube blends. Chemical Physics Letters, 2008, 465, 265-271. | 1.2 | 39 |
| 100 | On the factors controlling the mechanical properties of nanotube films. Carbon, 2008, 46, 41-47. | 5.4 | 49 |
| 101 | Enhanced device performance using different carbon nanotube types in polymer photovoltaic devices. Carbon, 2008, 46, 2067-2075. | 5.4 | 109 |
| 102 | Variety pays off for nanotubes. Nature Nanotechnology, 2008, 3, 705-706. | 15.6 | 14 |
| 103 | Comparison of carbon nanotubes and nanodisks as percolative fillers in electrically conductive composites. Scripta Materialia, 2008, 58, 69-72. | 2.6 | 56 |
| 104 | Optical limiting properties of axially substituted indium phthalocyanines in the solid PMMA composite films. Materials Chemistry and Physics, 2008, 107, 189-192. | 2.0 | 41 |
| 105 | Nonlinear optical performance of chemically tailored phthalocyanine-polymer films as solid-state optical limiting devices. Journal of Optics, 2008, 10, 075101. | 1.5 | 59 |
| 106 | Large Populations of Individual Nanotubes in Surfactant-Based Dispersions without the Need for Ultracentrifugation. Journal of Physical Chemistry C, 2008, 112, 972-977. | 1.5 | 75 |
| 107 | Solvent Effect on Optical Limiting Properties of Single-Walled Carbon Nanotube Dispersions. Journal of Physical Chemistry C, 2008, 112, 2298-2303. | 1.5 | 106 |
| 108 | Ordered DNA Wrapping Switches on Luminescence in Single-Walled Nanotube Dispersions. Journal of the American Chemical Society, 2008, 130, 12734-12744. | 6.6 | 119 |

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|-----|---|-----|-----------|
| 109 | Exploring the mechanisms of carbon-nanotube dispersion aggregation in a highly polar solvent. Europhysics Letters, 2008, 83, 66009. | 0.7 | 24 |
| 110 | Up-Cycling of PET (Polyethylene Terephthalate) to the Biodegradable Plastic PHA (Polyhydroxyalkanoate). Environmental Science & Technology, 2008, 42, 7696-7701. | 4.6 | 191 |
| 111 | Hydrogen in Chemical Vapour Deposited Carbon Nanotubes: An Active Site for Functionalization. Journal of Nanoscience and Nanotechnology, 2008, 8, 4017-4022. | 0.9 | 2 |
| 112 | Attachment of Functionalized Single-Walled Carbon Nanotubes (SWNTs) to Silicon Surfaces. Journal of Nanoscience and Nanotechnology, 2008, 8, 1545-1550. | 0.9 | 7 |
| 113 | Cavity-enhanced stimulated emission cross section in polymer microlasers. Applied Physics Letters, 2008, 93, 143306. | 1.5 | 15 |
| 114 | Optical limiting properties of single-walled carbon nanotube dispersions in amide solvents. Proceedings of SPIE, 2008, , . | 0.8 | 2 |
| 115 | Towards tough, yet stiff, composites by filling an elastomer with single-walled nanotubes at very high loading levels. Nanotechnology, 2008, 19, 415709. | 1.3 | 30 |
| 116 | Near-infrared luminescent polymer waveguide with a 20dB small-signal gain. Applied Physics Letters, 2008, 92, 083306. | 1.5 | 8 |
| 117 | Near-infrared luminescent polymer waveguides and microlasers. , 2008, , . | | 0 |
| 118 | Growth of Carbon Nanotubes on Si Substrate Using Fe Catalyst Produced by Pulsed Laser Deposition. Journal of Nanoscience and Nanotechnology, 2008, 8, 5748-5752. | 0.9 | 0 |
| 119 | Optical Characterization of Oxide Encapsulated Silicon Nanowires of Various Morphologies. Journal of Nanoscience and Nanotechnology, 2008, 8, 4202-4206. | 0.9 | 9 |
| 120 | A sensitivity study of the localised surface plasmon resonance of high-definition structured silver nanoparticles in solution. Proceedings of SPIE, 2008, , . | 0.8 | 1 |
| 121 | Luminescent polymer waveguide amplifiers operating in the near-infrared. , 2008, , . | | 0 |
| 122 | Carbon Nanotube-Based Functional Materials for Optical Limiting. Journal of Nanoscience and Nanotechnology, 2007, 7, 1268-1283. | 0.9 | 105 |
| 123 | Dispersion and purification of Mo6S3I6 nanowires in organic solvents. Journal of Applied Physics, 2007, 101, 014317. | 1.1 | 35 |
| 124 | Transport and field emission in carbon nanotube - polymer composite cathodes. , 2007, , . | | 0 |
| 125 | Operating characteristics of near-infrared self-assembled polymer microlasers. Optics Letters, 2007, 32, 1375. | 1.7 | 4 |
| 126 | Characterization of low-threshold polymer microring lasers using optical microscopy and spectral analysis. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 808. | 0.9 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 127 | Spontaneous Debundling of Single-Walled Carbon Nanotubes in DNA-Based Dispersions. <i>Journal of Physical Chemistry C</i> , 2007, 111, 66-74. | 1.5 | 93 |
| 128 | A2B2-type push-pull porphyrins as reverse saturable and saturable absorbers. <i>Chemical Communications</i> , 2007, , 2166-2168. | 2.2 | 50 |
| 129 | Synthesis of highly oriented carbon nanotube thin films by nickel functionalisation. <i>Diamond and Related Materials</i> , 2007, 16, 1195-1199. | 1.8 | 8 |
| 130 | Toughening of Artificial Silk by Incorporation of Carbon Nanotubes. <i>Biomacromolecules</i> , 2007, 8, 3973-3976. | 2.6 | 24 |
| 131 | Fabrication and Characterization of Silver/Polyaniline Composite Nanowires in Porous Anodic Alumina. <i>Chemistry of Materials</i> , 2007, 19, 4252-4258. | 3.2 | 123 |
| 132 | Exfoliation in ecstasy: liquid crystal formation and concentration-dependent debundling observed for single-wall nanotubes dispersed in the liquid drug β -butyrolactone. <i>Nanotechnology</i> , 2007, 18, 455705. | 1.3 | 45 |
| 133 | Exfoliation of MoS ₂ nanowires in common solvents. <i>EPJ Applied Physics</i> , 2007, 37, 149-159. | 0.3 | 16 |
| 134 | Nonlinear Optical Properties of Porphyrins. <i>Advanced Materials</i> , 2007, 19, 2737-2774. | 11.1 | 751 |
| 135 | Observation of van der Waals Driven Self-Assembly of MoSi Nanowires into a Low-Symmetry Structure Using Aberration-Corrected Electron Microscopy. <i>Advanced Materials</i> , 2007, 19, 543-547. | 11.1 | 42 |
| 136 | Observation of Percolation-like Scaling Far from the Percolation Threshold in High Volume Fraction, High Conductivity Polymer-Nanotube Composite Films. <i>Advanced Materials</i> , 2007, 19, 4443-4447. | 11.1 | 89 |
| 137 | Carbon nanotubes for reinforcement of plastics? A case study with poly(vinyl alcohol). <i>Composites Science and Technology</i> , 2007, 67, 1640-1649. | 3.8 | 110 |
| 138 | The effect of solvent choice on the mechanical properties of carbon nanotube-polymer composites. <i>Composites Science and Technology</i> , 2007, 67, 3158-3167. | 3.8 | 56 |
| 139 | Nonlinear optical response of MoS ₂ nanowires. <i>Chemical Physics Letters</i> , 2007, 435, 109-113. | 1.2 | 15 |
| 140 | Spectroscopic changes induced by sonication of porphyrin-carbon nanotube composites in chlorinated solvents. <i>Carbon</i> , 2007, 45, 2665-2671. | 5.4 | 26 |
| 141 | Photophysical and nonlinear optical properties of β -oxo-bridged indium and gallium phthalocyanines. <i>Dyes and Pigments</i> , 2007, 75, 88-92. | 2.0 | 22 |
| 142 | Scattering induced optical limiting in Si/SiO ₂ nanostructure dispersions. <i>Optics Communications</i> , 2007, 276, 305-309. | 1.0 | 38 |
| 143 | Iron oxide nanoparticle impregnated mesoporous silicas as platforms for the growth of carbon nanotubes. <i>Microporous and Mesoporous Materials</i> , 2007, 103, 142-149. | 2.2 | 33 |
| 144 | Magnetoresistance and spin diffusion in multi-wall carbon nanotubes. <i>Microelectronic Engineering</i> , 2007, 84, 1593-1595. | 1.1 | 2 |

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|-----|---|-----|-----------|
| 145 | Optoelectronic and nonlinear optical properties of tBu4PcTiO/polymer composite materials. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 185, 263-270. | 2.0 | 23 |
| 146 | Enhancement of optical limiting response by embedding gallium phthalocyanine into polymer host. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 189, 414-417. | 2.0 | 31 |
| 147 | Sonication of porphyrinâ€“nanotube composites: a cautionary tale. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4227-4230. | 0.7 | 7 |
| 148 | Blue-green small-signal gain and saturation in a luminescent polymer gain medium. <i>Applied Physics Letters</i> , 2006, 89, 1311-19. | 1.5 | 14 |
| 149 | Reinforcement of poly(vinyl chloride) and polystyrene using chlorinated polypropylene grafted carbon nanotubes. <i>Journal of Materials Chemistry</i> , 2006, 16, 4206. | 6.7 | 90 |
| 150 | Debundling of Single-Walled Nanotubes by Dilution:Â Observation of Large Populations of Individual Nanotubes in Amide Solvent Dispersions. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15708-15718. | 1.2 | 330 |
| 151 | Doping Properties of Polydithienylmethine:Â A Study on the Correlation between Polymer Chain Length, Spectroscopy, and Transport. <i>Journal of Physical Chemistry B</i> , 2006, 110, 3924-3929. | 1.2 | 5 |
| 152 | Linear and Nonlinear Optical Characterization of a Tetraphenylporphyrinâ”Carbon Nanotube Composite System. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23136-23141. | 1.2 | 72 |
| 153 | Multiwalled carbon nanotube nucleated crystallization and reinforcement in poly (vinyl alcohol) composites. <i>Synthetic Metals</i> , 2006, 156, 332-335. | 2.1 | 55 |
| 154 | Spectroscopic studies of CSA-doped poly[C-hydroxyl-(4-N-dimethylamino)phenyl]dithienylmethine and doping effects on ionic conductivity. <i>Synthetic Metals</i> , 2006, 156, 482-487. | 2.1 | 3 |
| 155 | Metal Complexes of Phthalocyanines in Polymers as Suitable Materials for Optical Limiting. <i>Macromolecular Symposia</i> , 2006, 235, 9-18. | 0.4 | 38 |
| 156 | Mo6S4.514.5Nanowires: Structure Studies by HRTEM and Aberration Corrected STEM. <i>Journal of Physics: Conference Series</i> , 2006, 26, 260-263. | 0.3 | 2 |
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