

Werner J Blau

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

335 papers	24,190 citations	69 h-index	149 g-index
376 ext. papers	25,830 ext. citations	5.7 avg, IF	6.59 L-index

#	Paper	IF	Citations
335	Layered PtSe for Sensing, Photonic, and (Opto-)Electronic Applications. <i>Advanced Materials</i> , 2021 , 33, e2004070	24	22
334	Preparation of WS ₂ /PMMA composite films for optical applications. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 10805-10815	7.1	6
333	Two-Photon Absorption in Monolayer MXenes. <i>Advanced Optical Materials</i> , 2020 , 8, 1902021	8.1	26
332	Bacterially synthesized tellurium nanostructures for broadband ultrafast nonlinear optical applications. <i>Nature Communications</i> , 2019 , 10, 3985	17.4	37
331	Controllable Charge-Transfer Mechanism at PushPull Porphyrin/Nanocarbon Interfaces. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 14283-14291	3.8	3
330	Saturable Absorption in 2D Nanomaterials and Related Photonic Devices. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1800282	8.3	67
329	Ultrafast Carrier Dynamics and Bandgap Renormalization in Layered PtSe. <i>Small</i> , 2019 , 15, e1902728	11	35
328	Broadband saturable absorption and exciton-exciton annihilation in MoSe ₂ composite thin films. <i>Optical Materials Express</i> , 2019 , 9, 483	2.6	11
327	Nonlinear optical performance of few-layer molybdenum diselenide as a slow-saturable absorber. <i>Photonics Research</i> , 2018 , 6, 674	6	26
326	Intensity-dependent nonlinear refraction of antimonene dispersions in the visible and near-infrared region. <i>Applied Optics</i> , 2018 , 57, E147-E153	1.7	29
325	Mechanism of large optical nonlinearity in gold nanoparticle films. <i>Optics Letters</i> , 2018 , 43, 1455-1458	3	7
324	MoS ₂ /Carbon Nanotube Core-Shell Nanocomposites for Enhanced Nonlinear Optical Performance. <i>Chemistry - A European Journal</i> , 2017 , 23, 3321-3327	4.8	46
323	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	1.3	4
322	Fabrication and near-infrared optical responses of 2D periodical Au/ITO nanocomposite arrays. <i>Photonics Research</i> , 2017 , 5, 280	6	20
321	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	8.3	30
320	Graphene and its derivatives for laser protection. <i>Progress in Materials Science</i> , 2016 , 84, 118-157	42.2	85
319	Ultrafast Nonlinear Excitation Dynamics of Black Phosphorus Nanosheets from Visible to Mid-Infrared. <i>ACS Nano</i> , 2016 , 10, 6923-32	16.7	178

3 ¹⁸	Production of Highly Monolayer Enriched Dispersions of Liquid-Exfoliated Nanosheets by Liquid Cascade Centrifugation. <i>ACS Nano</i> , 2016 , 10, 1589-601	16.7	271
3 ¹⁷	Saturable absorption behavior of free-standing graphene polymer composite films over broad wavelength and time ranges. <i>Optics Express</i> , 2015 , 23, 559-69	3.3	56
3 ¹⁶	Tunable nonlinear refractive index of two-dimensional MoS ₂ , WS ₂ , and MoSe ₂ nanosheet dispersions [Invited]. <i>Photonics Research</i> , 2015 , 3, A51	6	117
3 ¹⁵	Liquid exfoliation of solvent-stabilized few-layer black phosphorus for applications beyond electronics. <i>Nature Communications</i> , 2015 , 6, 8563	17.4	764
3 ¹⁴	Facile fabrication of wafer-scale MoS ₂ neat films with enhanced third-order nonlinear optical performance. <i>Nanoscale</i> , 2015 , 7, 2978-86	7.7	49
3 ¹³	Covalent modification of graphene oxide with carbazole groups for laser protection. <i>Chemistry - A European Journal</i> , 2015 , 21, 4622-7	4.8	16
3 ¹²	Nonlinear optics: Dipoles align inside a nanotube. <i>Nature Nanotechnology</i> , 2015 , 10, 205-6	28.7	8
3 ¹¹	Tunable effective nonlinear refractive index of graphene dispersions during the distortion of spatial self-phase modulation. <i>Applied Physics Letters</i> , 2014 , 104, 141909	3.4	71
3 ¹⁰	Broadband ultrafast nonlinear absorption and nonlinear refraction of layered molybdenum dichalcogenide semiconductors. <i>Nanoscale</i> , 2014 , 6, 10530-5	7.7	264
3 ⁰⁹	Wash-free highly sensitive detection of C-reactive protein using gold derivatised triangular silver nanoplates. <i>RSC Advances</i> , 2014 , 4, 29022-29031	3.7	17
3 ⁰⁸	A general strategy for hybrid thin film fabrication and transfer onto arbitrary substrates. <i>Scientific Reports</i> , 2014 , 4, 4822	4.9	10
3 ⁰⁷	Nonlinear optical propagation in a tandem structure comprising nonlinear absorption and scattering materials. <i>Applied Physics Letters</i> , 2014 , 104, 021110	3.4	10
3 ⁰⁶	Hybrid Plasmonic Nanostructures with Unconventional Nonlinear Optical Properties. <i>Advanced Optical Materials</i> , 2014 , 2, 331-337	8.1	12
3 ⁰⁵	Solvent effect on the nonlinear absorption of 5,10-A(2)B(2) meso substituted porphyrins. <i>Photochemical and Photobiological Sciences</i> , 2013 , 12, 1811-23	4.2	7
3 ⁰⁴	Ultrafast saturable absorption of two-dimensional MoS ₂ nanosheets. <i>ACS Nano</i> , 2013 , 7, 9260-7	16.7	754
3 ⁰³	Nonlinear absorption properties of 5,10-A2B2 porphyrins--correlation of molecular structure with the nonlinear responses. <i>Photochemical and Photobiological Sciences</i> , 2013 , 12, 996-1007	4.2	27
3 ⁰²	Modeling of nonlinear absorption of 5,10-A2B2 porphyrins in the nanosecond regime. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 15-26	2.8	38
3 ⁰¹	Laser induced protonation of free base porphyrin in chloroform results in the enhancement of positive nonlinear absorption due to conformational distortion. <i>Journal of Porphyrins and Phthalocyanines</i> , 2013 , 17, 1129-1133	1.8	8

300	Controllable broadband nonlinear optical response of graphene dispersions by tuning vacuum pressure. <i>Optics Express</i> , 2013 , 21, 16486-93	3.3	28
299	Nonlinear Properties of Graphene Dispersions and Thin Films at a Wavelength of 1.2 μ m. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2013 , 8, 23-27	1.3	2
298	The electrical stimulation of carbon nanotubes to provide a cardiomimetic cue to MSCs. <i>Biomaterials</i> , 2012 , 33, 6132-9	15.6	163
297	Nonlinear optical properties of carbon nanotube hybrids in polymer dispersions. <i>Materials Chemistry and Physics</i> , 2012 , 133, 992-997	4.4	25
296	Synthesis, electrical and magnetotransport properties of polypyrrole-MWCNT nanocomposite. <i>Solid State Communications</i> , 2012 , 152, 13-18	1.6	32
295	Cytotoxicity evaluation of nanoclays in human epithelial cell line A549 using high content screening and real-time impedance analysis. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	55
294	Indium(III) and Gallium(III) phthalocyanines-based nanohybrid materials for optical limiting. <i>Materials Chemistry and Physics</i> , 2012 , 137, 188-193	4.4	11
293	Synthesis and analysis of thin conducting pyrolytic carbon films. <i>Carbon</i> , 2012 , 50, 1216-1226	10.4	99
292	Feature issue introduction: nanocarbon for photonics and optoelectronics. <i>Optical Materials Express</i> , 2012 , 2, 891	2.6	2
291	Synthesis and strong optical limiting response of graphite oxide covalently functionalized with gallium phthalocyanine. <i>Nanotechnology</i> , 2011 , 22, 205704	3.4	32
290	Anomalous electrical transport properties of polyvinyl alcohol-multiwall carbon nanotubes composites below room temperature. <i>Journal of Applied Physics</i> , 2011 , 109, 033707	2.5	25
289	Materials and Devices for Organic Electronics. <i>Journal of Nanotechnology</i> , 2011 , 2011, 1-2	3.5	5
288	Carbazole-linked porphyrin dimers for organic light emitting diodes: synthesis and initial photophysical studies. <i>Tetrahedron</i> , 2011 , 67, 8248-8254	2.4	30
287	Graphene and Carbon Nanotube Polymer Composites for Laser Protection. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2011 , 21, 736-746	3.2	32
286	Scaling of Surface Plasmon Resonances in Triangular Silver Nanoplate Sols for Enhanced Refractive Index Sensing. <i>Plasmonics</i> , 2011 , 6, 351-362	2.4	19
285	Conjugated polymer covalently modified multiwalled carbon nanotubes for optical limiting. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 101-109	2.5	15
284	In vitro characterization of an electroactive carbon-nanotube-based nanofiber scaffold for tissue engineering. <i>Macromolecular Bioscience</i> , 2011 , 11, 1272-82	5.5	34
283	5,15-A2B2- and 5,15-A2BC-Type Porphyrins with Donor and Acceptor Groups for Use in Nonlinear Optics and Photodynamic Therapy. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 5797-5816	3.2	113

282	Synthesis and characterization of polyaniline/carbon nanotube composites. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 1016-1025	2.9	34
281	In situ synthesis and optical limiting response of poly(N-vinylcarbazole) functionalized single-walled carbon nanotubes. <i>Nanotechnology</i> , 2011 , 22, 015204	3.4	12
280	Graphene oxide covalently functionalized with zinc phthalocyanine for broadband optical limiting. <i>Carbon</i> , 2011 , 49, 1900-1905	10.4	231
279	Activation behavior and dielectric relaxation in polyvinyl alcohol and multiwall carbon nanotube composite films. <i>Solid State Communications</i> , 2011 , 151, 754-758	1.6	25
278	Molecular Engineering of Nonplanar Porphyrin and Carbon Nanotube Assemblies: A Linear and Nonlinear Spectroscopic and Modeling Study. <i>Journal of Nanotechnology</i> , 2011 , 2011, 1-12	3.5	54
277	Near-infrared electroluminescence and stimulated emission from semiconducting nonconjugated polymer thin films. <i>Journal of Applied Physics</i> , 2010 , 107, 023103	2.5	4
276	Versatile solution phase triangular silver nanoplates for highly sensitive plasmon resonance sensing. <i>ACS Nano</i> , 2010 , 4, 55-64	16.7	129
275	Control of Optical Limiting of Carbon Nanotube Dispersions by Changing Solvent Parameters. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 6148-6156	3.8	39
274	Gas phase controlled deposition of high quality large-area graphene films. <i>Chemical Communications</i> , 2010 , 46, 1422-4	5.8	41
273	Ferromagnetic behaviour of nickel contacted multiwalled carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 2606-10	1.3	
272	The importance of solvent properties for optical limiting of carbon nanotube dispersions. <i>Optics Communications</i> , 2010 , 283, 464-468	2	30
271	Electrical and rheological percolation of PMMA/MWCNT nanocomposites as a function of CNT geometry and functionality. <i>European Polymer Journal</i> , 2010 , 46, 854-868	5.2	168
270	Multi-walled carbon nanotubes covalently functionalized with polyhedral oligomeric silsesquioxanes for optical limiting. <i>Carbon</i> , 2010 , 48, 1738-1742	10.4	45
269	Strong nonlinear photonic responses from microbiologically synthesized tellurium nanocomposites. <i>Chemical Physics Letters</i> , 2010 , 484, 242-246	2.5	13
268	Optical limiting study of double wall carbon nanotubeBullerene hybrids. <i>Chemical Physics Letters</i> , 2010 , 489, 207-211	2.5	27
267	Multiwalled carbon nanotubes covalently functionalized with poly(N-vinylcarbazole) via RAFT polymerization: Synthesis and nonliner optical properties. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 3161-3168	2.5	23
266	Characterization and electrical transport properties of polyaniline and multiwall carbon nanotube composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010 , 48, 1767-1775	2.6	18
265	Low Temperature Graphene Growth. <i>ECS Transactions</i> , 2009 , 19, 175-181	1	7

264	Broadband Nonlinear Optical Response of Graphene Dispersions. <i>Advanced Materials</i> , 2009 , 21, 2430-2435	4.2	428
263	The examination of the Book of Kells using micro-Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2009 , 40, 1043-1049	2.3	41
262	Functionalised multi-walled carbon nanotubes for epoxy nanocomposites with improved performance. <i>Polymer International</i> , 2009 , 58, 1002-1009	3.3	18
261	Characterization of melanin-overproducing transposon mutants of <i>Pseudomonas putida</i> F6. <i>FEMS Microbiology Letters</i> , 2009 , 298, 174-83	2.9	12
260	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	3.5	32
259	Correlation studies on structurally diverse porphyrin monomers, dimers and trimers and their nonlinear optical responses. <i>Chemical Physics Letters</i> , 2009 , 477, 330-335	2.5	28
258	The spatial uniformity and electromechanical stability of transparent, conductive films of single walled nanotubes. <i>Carbon</i> , 2009 , 47, 2466-2473	10.4	155
257	Silver Nanowire Networks as Flexible, Transparent, Conducting Films: Extremely High DC to Optical Conductivity Ratios. <i>ACS Nano</i> , 2009 , 3, 1767-74	16.7	1343
256	Synthesis and characterisation of controllably functionalised polyaniline nanofibres. <i>Synthetic Metals</i> , 2009 , 159, 741-748	3.6	29
255	Preparation and Optical Limiting Properties of Multiwalled Carbon Nanotubes with EConjugated Metal-Free Phthalocyanine Moieties. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 13029-13035	3.8	78
254	Fabrication of vertically aligned carbon nanotubes for spintronic device applications. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7216		2
253	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	3.5	4
252	Carbon nanotubes and nanotube composites for nonlinear optical devices. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7425		182
251	Inorganic and hybrid nanostructures for optical limiting. <i>Journal of Optics</i> , 2009 , 11, 024001		151
250	Transparent, flexible, and highly conductive thin films based on polymer-nanotube composites. <i>ACS Nano</i> , 2009 , 3, 714-20	16.7	256
249	Photophysical and Optical Limiting Properties of Axially Modified Phthalocyanines. <i>Mini-Reviews in Organic Chemistry</i> , 2009 , 6, 55-65	1.7	54
248	Comparison of carbon nanotubes and nanodisks as percolative fillers in electrically conductive composites. <i>Scripta Materialia</i> , 2008 , 58, 69-72	5.6	49
247	Optical limiting properties of axially substituted indium phthalocyanines in the solid PMMA composite films. <i>Materials Chemistry and Physics</i> , 2008 , 107, 189-192	4.4	39

246	Nonlinear optical performance of chemically tailored phthalocyanine polymer films as solid-state optical limiting devices. <i>Journal of Optics</i> , 2008 , 10, 075101		58
245	Large Populations of Individual Nanotubes in Surfactant-Based Dispersions without the Need for Ultracentrifugation. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 972-977	3.8	68
244	Solvent Effect on Optical Limiting Properties of Single-Walled Carbon Nanotube Dispersions. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 2298-2303	3.8	96
243	Ordered DNA wrapping switches on luminescence in single-walled nanotube dispersions. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12734-44	16.4	107
242	Exploring the mechanisms of carbon-nanotube dispersion aggregation in a highly polar solvent. <i>Europhysics Letters</i> , 2008 , 83, 66009	1.6	20
241	Up-cycling of PET (polyethylene terephthalate) to the biodegradable plastic PHA (polyhydroxyalkanoate). <i>Environmental Science & Technology</i> , 2008 , 42, 7696-701	10.3	117
240	Hydrogen in chemical vapour deposited carbon nanotubes: an active site for functionalization. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 4017-22	1.3	1
239	Attachment of Functionalized Single-Walled Carbon Nanotubes (SWNTs) to Silicon Surfaces. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 1545-1550	1.3	7
238	Cavity-enhanced stimulated emission cross section in polymer microlasers. <i>Applied Physics Letters</i> , 2008 , 93, 143306	3.4	15
237	Optical limiting properties of single-walled carbon nanotube dispersions in amide solvents 2008 ,		2
236	Towards tough, yet stiff, composites by filling an elastomer with single-walled nanotubes at very high loading levels. <i>Nanotechnology</i> , 2008 , 19, 415709	3.4	29
235	Near-infrared luminescent polymer waveguide with a 20dB small-signal gain. <i>Applied Physics Letters</i> , 2008 , 92, 083306	3.4	7
234	Growth of carbon nanotubes on Si substrate using Fe catalyst produced by pulsed laser deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 5748-52	1.3	
233	Optical characterization of oxide encapsulated silicon nanowires of various morphologies. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 4202-6	1.3	8
232	A sensitivity study of the localised surface plasmon resonance of high-definition structured silver nanoparticles in solution 2008 ,		1
231	The conversion of BTEX compounds by single and defined mixed cultures to medium-chain-length polyhydroxyalkanoate. <i>Applied Microbiology and Biotechnology</i> , 2008 , 80, 665-73	5.7	49
230	Nonlinear optical and optical limiting properties of individual single-walled carbon nanotubes. <i>Applied Physics B: Lasers and Optics</i> , 2008 , 91, 521-524	1.9	54
229	Strong, Tough, Electrospun Polymer-Nanotube Composite Membranes with Extremely Low Density. <i>Advanced Functional Materials</i> , 2008 , 18, 2618-2624	15.6	55

228	Towards Solutions of Single-Walled Carbon Nanotubes in Common Solvents. <i>Advanced Materials</i> , 2008 , 20, 1876-1881	24	299
227	Quantifying the contributions of inner-filter, re-absorption and aggregation effects in the photoluminescence of high-concentration conjugated polymer solutions. <i>Journal of Luminescence</i> , 2008 , 128, 31-40	3.8	23
226	Optical and nonlinear optical properties of an octasubstituted liquid crystalline copper phthalocyanine. <i>Dyes and Pigments</i> , 2008 , 76, 569-573	4.6	16
225	Linear and nonlinear spectroscopic studies of phthalocyanine-carbon nanotube blends. <i>Chemical Physics Letters</i> , 2008 , 465, 265-271	2.5	39
224	On the factors controlling the mechanical properties of nanotube films. <i>Carbon</i> , 2008 , 46, 41-47	10.4	44
223	Enhanced device performance using different carbon nanotube types in polymer photovoltaic devices. <i>Carbon</i> , 2008 , 46, 2067-2075	10.4	98
222	Toughening of artificial silk by incorporation of carbon nanotubes. <i>Biomacromolecules</i> , 2007 , 8, 3973-6	6.9	21
221	Fabrication and Characterization of Silver/Polyaniline Composite Nanowires in Porous Anodic Alumina. <i>Chemistry of Materials</i> , 2007 , 19, 4252-4258	9.6	110
220	Exfoliation in ecstasy: liquid crystal formation and concentration-dependent debundling observed for single-wall nanotubes dispersed in the liquid drug γ -butyrolactone. <i>Nanotechnology</i> , 2007 , 18, 455705 ³⁻⁴		43
219	Exfoliation of MoS ₂ -nanowires in common solvents. <i>EPJ Applied Physics</i> , 2007 , 37, 149-159	1.1	15
218	Nonlinear Optical Properties of Porphyrins. <i>Advanced Materials</i> , 2007 , 19, 2737-2774	24	644
217	Observation of van der Waals Driven Self-Assembly of MoS ₂ Nanowires into a Low-Symmetry Structure Using Aberration-Corrected Electron Microscopy. <i>Advanced Materials</i> , 2007 , 19, 543-547	24	41
216	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 ²⁴		84
215	Carbon nanotubes for reinforcement of plastics? A case study with poly(vinyl alcohol). <i>Composites Science and Technology</i> , 2007 , 67, 1640-1649	8.6	96
214	The effect of solvent choice on the mechanical properties of carbon nanotube/polymer composites. <i>Composites Science and Technology</i> , 2007 , 67, 3158-3167	8.6	48
213	Nonlinear optical response of MoS ₂ -nanowires. <i>Chemical Physics Letters</i> , 2007 , 435, 109-113	2.5	15
212	Spectroscopic changes induced by sonication of porphyrin/carbon nanotube composites in chlorinated solvents. <i>Carbon</i> , 2007 , 45, 2665-2671	10.4	24
211	Photophysical and nonlinear optical properties of β -oxo-bridged indium and gallium phthalocyanines. <i>Dyes and Pigments</i> , 2007 , 75, 88-92	4.6	22

210	Scattering induced optical limiting in Si/SiO ₂ nanostructure dispersions. <i>Optics Communications</i> , 2007 , 276, 305-309	2	36
209	Iron oxide nanoparticle impregnated mesoporous silicas as platforms for the growth of carbon nanotubes. <i>Microporous and Mesoporous Materials</i> , 2007 , 103, 142-149	5.3	30
208	Magnetoresistance and spin diffusion in multi-wall carbon nanotubes. <i>Microelectronic Engineering</i> , 2007 , 84, 1593-1595	2.5	2
207	Optoelectronic and nonlinear optical properties of tBu4PcTiO/polymer composite materials. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007 , 185, 263-270	4.7	22
206	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	4.7	31
205	Sonication of porphyrin/nanotube composites: a cautionary tale. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 4227-4230	1.3	6
204	Carbon nanotube-based functional materials for optical limiting. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 1268-83	1.3	93
203	Dispersion and purification of MoS ₂ nanowires in organic solvents. <i>Journal of Applied Physics</i> , 2007 , 101, 014317	2.5	33
202	Operating characteristics of near-infrared self-assembled polymer microlasers. <i>Optics Letters</i> , 2007 , 32, 1375-7	3	2
201	Characterization of low-threshold polymer microring lasers using optical microscopy and spectral analysis. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007 , 24, 808	1.7	3
200	Spontaneous Debundling of Single-Walled Carbon Nanotubes in DNA-Based Dispersions. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 66-74	3.8	89
199	A2B2-type push-pull porphyrins as reverse saturable and saturable absorbers. <i>Chemical Communications</i> , 2007 , 2166-8	5.8	44
198	Synthesis of highly oriented carbon nanotube thin films by nickel functionalisation. <i>Diamond and Related Materials</i> , 2007 , 16, 1195-1199	3.5	8
197	Observation of extremely low percolation threshold in MoS ₂ nanowire/polymer composites. <i>Scripta Materialia</i> , 2006 , 54, 417-420	5.6	33
196	Enhancement of Modulus, Strength, and Toughness in Poly(methyl methacrylate)-Based Composites by the Incorporation of Poly(methyl methacrylate)-Functionalized Nanotubes. <i>Advanced Functional Materials</i> , 2006 , 16, 1608-1614	15.6	196
195	Comparison of different methods to contact to nanowires. <i>Journal of Vacuum Science & Technology B</i> , 2006 , 24, 2306		28
194	Light amplification at 501nm and large nanosecond optical gain in organic dye-doped polymeric waveguides. <i>Applied Physics Letters</i> , 2006 , 88, 161114	3.4	19
193	Laser emission at 0.8 μ m from photopumped luminescent polymer microresonators. <i>Applied Physics Letters</i> , 2006 , 88, 181119	3.4	9

192	Blue-green small-signal gain and saturation in a luminescent polymer gain medium. <i>Applied Physics Letters</i> , 2006 , 89, 1311-19	3-4	13
191	Reinforcement of poly(vinyl chloride) and polystyrene using chlorinated polypropylene grafted carbon nanotubes. <i>Journal of Materials Chemistry</i> , 2006 , 16, 4206		81
190	Debundling of single-walled nanotubes by dilution: observation of large populations of individual nanotubes in amide solvent dispersions. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 15708-18	3-4	302
189	Doping properties of polydithienylmethine: a study on the correlation between polymer chain length, spectroscopy, and transport. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 3924-9	3-4	5
188	Linear and nonlinear optical characterization of a tetraphenylporphyrin-carbon nanotube composite system. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 23136-41	3-4	68
187	Multiwalled carbon nanotube nucleated crystallization and reinforcement in poly (vinyl alcohol) composites. <i>Synthetic Metals</i> , 2006 , 156, 332-335	3.6	49
186	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	3.6	3
185	Metal Complexes of Phthalocyanines in Polymers as Suitable Materials for Optical Limiting. <i>Macromolecular Symposia</i> , 2006 , 235, 9-18	0.8	36
184	MoS ₂ Nanowires: Structure Studies by HRTEM and Aberration Corrected STEM. <i>Journal of Physics: Conference Series</i> , 2006 , 26, 260-263	0.3	2
183	Fabrication of stable dispersions containing up to 70% individual carbon nanotubes in a common organic solvent. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3058-3062	1.3	37
182	Physical properties of novel free-standing polymer/nanotube thin films. <i>Carbon</i> , 2006 , 44, 1525-1529	10.4	35
181	Small but strong: A review of the mechanical properties of carbon nanotube/polymer composites. <i>Carbon</i> , 2006 , 44, 1624-1652	10.4	3269
180	Debundling by dilution: Observation of significant populations of individual MoSi nanowires in high concentration dispersions. <i>Chemical Physics Letters</i> , 2006 , 425, 89-93	2.5	27
179	Combination of phthalocyanine and fullerene moieties for optical limiting. <i>Chemical Physics Letters</i> , 2006 , 428, 307-311	2.5	33
178	Reinforcement of polymers with carbon nanotubes. The role of an ordered/polymer interfacial region. Experiment and modeling. <i>Polymer</i> , 2006 , 47, 8556-8561	3.9	207
177	Geometrical effect on the first hyperpolarizability of thiophene-substituted stilbene derivatives. <i>Computational and Theoretical Chemistry</i> , 2006 , 762, 87-91		4
176	Thermogravimetric analysis of cobalt-filled carbon nanotubes deposited by chemical vapour deposition. <i>Thin Solid Films</i> , 2006 , 494, 128-132	2.2	37
175	Soluble axially substituted phthalocyanines: Synthesis and nonlinear optical response. <i>Journal of Materials Science</i> , 2006 , 41, 2169	4.3	82

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