

Patrice L Baldeck

List of Publications by Year in descending order

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all docs

159
docs citations

159
times ranked

5756
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-Lived Two-Photon Excited Luminescence of Water-Soluble Europium Complex: Applications in Biological Imaging Using Two-Photon Scanning Microscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 1532-1533.	13.7	285
2	Chitosan-coated triangular silver nanoparticles as a novel class of biocompatible, highly effective photothermal transducers for in vitro cancer cell therapy. <i>Cancer Letters</i> , 2011, 311, 131-140.	7.2	277
3	Structural and Nonlinear Optical Characterizations of Tellurium Oxide-Based Glasses: TeO ₂ -BaO-TiO ₂ . <i>Journal of Solid State Chemistry</i> , 1997, 132, 411-419.	2.9	156
4	Two-photon absorption and optical power limiting of bifluorene molecule. <i>Journal of Chemical Physics</i> , 2001, 114, 5391-5396.	3.0	151
5	Modulation instability induced by cross-phase modulation in optical fibers. <i>Physical Review A</i> , 1989, 39, 3406-3413.	2.5	139
6	Study of protein-gold nanoparticle conjugates by fluorescence and surface-enhanced Raman scattering. <i>Journal of Molecular Structure</i> , 2009, 924-926, 196-200.	3.6	127
7	Ytterbium-Based Bioprobes for Near-Infrared Two-Photon Scanning Laser Microscopy Imaging. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6622-6625.	13.8	127
8	Temporal and spectral effects of cross-phase modulation on copropagating ultrashort pulses in optical fibers. <i>Physical Review A</i> , 1989, 40, 5063-5072.	2.5	118
9	Three-dimensional microfabrication by two-photon-initiated polymerization with a low-cost microlaser. <i>Optics Letters</i> , 2002, 27, 1348.	3.3	117
10	Folic Acid-Conjugated, SERS-Labeled Silver Nanotriangles for Multimodal Detection and Targeted Photothermal Treatment on Human Ovarian Cancer Cells. <i>Molecular Pharmaceutics</i> , 2014, 11, 391-399.	4.6	117
11	Design of Dipicolinic Acid Ligands for the Two-Photon Sensitized Luminescence of Europium Complexes with Optimized Cross-Sections. <i>Inorganic Chemistry</i> , 2008, 47, 10269-10279.	4.0	108
12	An ethylene-glycol decorated ruthenium(ii) complex for two-photon photodynamic therapy. <i>Chemical Communications</i> , 2009, , 4590.	4.1	106
13	Controlled Nanocrystallization of Organic Molecules in Sol-Gel Glasses. <i>Advanced Materials</i> , 1998, 10, 1540-1543.	21.0	100
14	Two-Photon Antenna Effect Induced in Octupolar Europium Complexes. <i>Inorganic Chemistry</i> , 2007, 46, 2659-2665.	4.0	100
15	Induced-frequency shift of copropagating ultrafast optical pulses. <i>Applied Physics Letters</i> , 1988, 52, 1939-1941.	3.3	95
16	Comparative Analysis of Conjugated Alkynyl Chromophore-Triazacyclononane Ligands for Sensitized Emission of Europium and Terbium. <i>Chemistry - A European Journal</i> , 2014, 20, 8636-8646.	3.3	89
17	Two-photon absorption spectrum of poly(fluorene). <i>Chemical Physics Letters</i> , 2001, 343, 44-48.	2.6	78
18	Two-Photon Microscopy and Spectroscopy of Lanthanide Bioprobes. <i>ChemPhysChem</i> , 2007, 8, 2125-2132.	2.1	78

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19	Modulating the Photophysical Properties of Azamacrocyclic Europium Complexes with Charge-Transfer Antenna Chromophores. <i>Inorganic Chemistry</i> , 2011, 50, 4987-4999.	4.0	70
20	Optical limiting in the visible range: molecular engineering around N4,N4'-bis(4-methoxyphenyl)-N4,N4'-diphenyl-4,4'-diaminobiphenyl. <i>Journal of Materials Chemistry</i> , 2003, 6, 13, 2157-2163.	6.7	67
21	Synthesis of PEGylated gold nanostars and bipyramids for intracellular uptake. <i>Nanotechnology</i> , 2012, 23, 465602.	2.6	58
22	Nanocarriers with ultrahigh chromophore loading for fluorescence bio-imaging and photodynamic therapy. <i>Biomaterials</i> , 2013, 34, 8344-8351.	11.4	58
23	Enhancement of Acid Photogeneration Through a Para-to-Meta Substitution Strategy in a Sulfonium-Based Alkoxystilbene Designed for Two-Photon Polymerization. <i>Chemistry of Materials</i> , 2012, 24, 237-244.	6.7	57
24	Novel ruthenium(ii) and zinc(ii) complexes for two-photon absorption related applications. <i>Dalton Transactions</i> , 2007, , 3421.	3.3	55
25	Two-photon absorption: from optical power limiting to 3D microfabrication. <i>Comptes Rendus Chimie</i> , 2005, 8, 1308-1316.	0.5	54
26	Ruthenium(II) Complexes for Two-Photon Absorption-Based Optical Power Limiting. <i>ChemPhysChem</i> , 2008, 9, 1531-1535.	2.1	54
27	Transparent Plasmonic Nanocontainers Protect Organic Fluorophores against Photobleaching. <i>Nano Letters</i> , 2011, 11, 2043-2047.	9.1	53
28	Uptake and biological effects of chitosan-capped gold nanoparticles on Chinese Hamster Ovary cells. <i>Materials Science and Engineering C</i> , 2011, 31, 184-189.	7.3	53
29	Diarylethene microcrystals make directional jumps upon ultraviolet irradiation. <i>Journal of Chemical Physics</i> , 2007, 126, 011101.	3.0	52
30	Synthesis and characterization of water-soluble two-photon excited blue fluorescent chromophores for bioimaging. <i>Photochemical and Photobiological Sciences</i> , 2006, 5, 102-106.	2.9	51
31	Carbohydrate-Porphyrin Conjugates with Two-Photon Absorption Properties as Potential Photosensitizing Agents for Photodynamic Therapy. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1271-1279.	2.4	50
32	Efficient initiators for two-photon induced polymerization in the visible range. <i>Chemical Physics Letters</i> , 2002, 362, 291-295.	2.6	49
33	Î€-conjugated sulfonium-based photoacid generators: an integrated molecular approach for efficient one and two-photon polymerization. <i>Polymer Chemistry</i> , 2014, 5, 4747-4755.	3.9	49
34	Enhancement of the Two-Photon Initiating Efficiency of a Thioxanthone Derivative through a Chevron-Shaped Architecture. <i>Chemistry of Materials</i> , 2011, 23, 3411-3420.	6.7	46
35	Polymorphism and luminescence properties of CMONS organic crystals: bulk crystals and nanocrystals confined in gel-glasses. <i>Solid State Sciences</i> , 2001, 3, 867-875.	3.2	43
36	Study of tryptophan assisted synthesis of gold nanoparticles by combining UV-Vis, fluorescence, and SERS spectroscopy. <i>Journal of Nanoparticle Research</i> , 2010, 12, 2843-2849.	1.9	43

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37	Bright Luminescent Silica Nanoparticles for Two-Photon Microscopy Imaging via Controlled Formation of 4,4'-Diethylaminostyryl-2,2'-bipyridine Zn(II) Surface Complexes. <i>Chemistry of Materials</i> , 2011, 23, 3228-3236.	6.7	43
38	Photochromism of Spiropyran Nanocrystals Embedded in Sol-Gel Matrices. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8587-8591.	2.6	41
39	An improved singlet oxygen sensitizer with two-photon absorption and emission in the biological transparency window as a result of ground state symmetry-breaking. <i>Chemical Communications</i> , 2012, 48, 1689-1691.	4.1	41
40	Boron Containing Two-Photon Absorbing Chromophores. 2. Fine Tuning of the One- and Two-Photon Photophysical Properties of Pyrazobole Based Fluorescent Bioprobes. <i>Inorganic Chemistry</i> , 2009, 48, 9112-9119.	4.0	40
41	Laser microstructuring of three-dimensional enzyme reactors in microfluidic channels. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 685-690.	2.2	40
42	Absorption and fluorescence properties of bifluorene crystal and microcrystals. <i>Journal of Optics</i> , 2002, 4, S258-S260.	1.5	39
43	Two-photon induced fabrication of gold microstructures in polystyrene sulfonate thin films using a ruthenium(II) dye as photoinitiator. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	38
44	Boron-Containing Two-Photon-Absorbing Chromophores. 3. One- and Two-Photon Photophysical Properties of <i>p</i> -Carborane-Containing Fluorescent Bioprobes. <i>Inorganic Chemistry</i> , 2011, 50, 4272-4278.	4.0	38
45	Biocompatible well-defined chromophore-polymer conjugates for photodynamic therapy and two-photon imaging. <i>Polymer Chemistry</i> , 2013, 4, 61-67.	3.9	38
46	New initiator for two-photon absorption induced polymerization with a microlaser at 1.06 μ m. <i>Synthetic Metals</i> , 2003, 138, 353-356.	3.9	37
47	Organic nanocrystals grown in sol-gel coatings. <i>Journal of Materials Chemistry</i> , 2000, 10, 2723-2726.	6.7	36
48	Conjugation of a New Two-Photon Fluorophore to Poly(ethylenimine) for Gene Delivery Imaging. <i>Bioconjugate Chemistry</i> , 2007, 18, 844-851.	3.6	36
49	Organic nanocrystals embedded in sol-gel glasses for optical applications. <i>Synthetic Metals</i> , 2000, 115, 229-234.	3.9	35
50	Two-photon lithography in visible and NIR ranges using multibranch-based sensitizers for efficient acid generation. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7201-7215.	5.5	34
51	Two-dimensional slicing method to speed up the fabrication of micro-objects based on two-photon polymerization. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	33
52	Excitonically Coupled Oligomers and Dendrimers for Two-Photon Absorption. <i>Advances in Polymer Science</i> , 2008, , 149-203.	0.8	33
53	Multiplying optical tweezers force using a micro-lever. <i>Optics Express</i> , 2011, 19, 20604.	3.4	33
54	Boron-Containing Two-Photon-Absorbing Chromophores: Electronic Interaction through the Cyclodiborazane Core. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6466-6469.	13.8	32

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55	Sensitization of Eu(III) luminescence by donor-phenylethynyl-functionalized DTPA and DO3A macrocycles. <i>Comptes Rendus Chimie</i> , 2010, 13, 681-690.	0.5	32
56	Optically driven Archimedes micro-screws for micropump application. <i>Optics Express</i> , 2011, 19, 8267.	3.4	32
57	Influence of the Metal Ion on the Two-Photon Absorption Properties of Lanthanide Complexes Including Near-IR Emitters. <i>ChemPhysChem</i> , 2013, 14, 3361-3367.	2.1	32
58	Synthesis, characterization and optical properties of π -conjugated systems incorporating closo-dodecaborate clusters: new potential candidates for two-photon absorption processes. <i>Dalton Transactions</i> , 2005, , 3065.	3.3	31
59	Analogues of Michler's ketone for two-photon absorption initiation of polymerization in the near infrared: synthesis and photophysical properties. <i>New Journal of Chemistry</i> , 2006, 30, 1606-1613.	2.8	30
60	Plasmonic bipyramids for fluorescence enhancement and protection against photobleaching. <i>Nanoscale</i> , 2014, 6, 5138.	5.6	29
61	Polymerization Photoinitiators with Near-Resonance Enhanced Two-Photon Absorption Cross-Section: Toward High-Resolution Photoresist with Improved Sensitivity. <i>Macromolecules</i> , 2020, 53, 9264-9278.	4.8	29
62	Tuning Dye-to-Particle Interactions toward Luminescent Gold Nanostars. <i>Langmuir</i> , 2013, 29, 10915-10921.	3.5	28
63	A simple and direct reading flow meter fabricated by two-photon polymerization for microfluidic channel. <i>Microfluidics and Nanofluidics</i> , 2015, 18, 427-431.	2.2	28
64	Theoretical molecular engineering for nonlinear absorption by two-photon absorption in the visible. <i>Journal of Optics</i> , 2000, 2, 284-288.	1.5	27
65	Influence of Carbohydrate Biological Vectors on the Two-Photon Resonance of Porphyrin Oligomers. <i>Journal of Physical Chemistry A</i> , 2011, 115, 6503-6508.	2.5	27
66	Synthesis and Photophysical Properties of Push-Pull Structures Incorporating Diazines as Attracting Part with a Fluorene Core. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5591-5602.	2.4	27
67	Synthesis of chromophores combining second harmonic generation and two photon induced fluorescence properties. <i>Chemical Communications</i> , 2006, , 4744-4746.	4.1	26
68	Plasmon-enhanced fluorescence of dye molecules. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009, 267, 403-405.	1.4	26
69	Synthesis, Characterization, and UV-vis Linear Absorption of Centrosymmetric π -Systems Incorporating closo-Dodecaborate Clusters. <i>Inorganic Chemistry</i> , 2006, 45, 8743-8748.	4.0	24
70	Enhancement of Two-Photon Absorption via Oligomerization. A Route for the Engineering of Two-Photon Absorbers in the Visible Range. <i>Journal of Physical Chemistry C</i> , 2007, 111, 2270-2279.	3.1	24
71	Fluorescent Pluronic nanodots for <i>in vivo</i> two-photon imaging. <i>Nanotechnology</i> , 2009, 20, 235102.	2.6	22
72	Water-soluble chromophores with star-shaped oligomeric arms: synthesis, spectroscopic studies and first results in bio-imaging and cell death induction. <i>New Journal of Chemistry</i> , 2012, 36, 2328.	2.8	22

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73	Enhanced two-photon absorption with dimers of π -conjugated molecules. <i>Synthetic Metals</i> , 2001, 124, 237-239.	3.9	20
74	Influence of bromine substitution pattern on the singlet oxygen generation efficiency of two-photon absorbing chromophores. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 6275.	2.8	20
75	Velocimetry microsensors driven by linearly polarized optical tweezers. <i>Optics Letters</i> , 2006, 31, 329.	3.3	19
76	Gold hollow spheres obtained using an innovative emulsion process: towards multifunctional Au nanoshells. <i>Nanotechnology</i> , 2009, 20, 355603.	2.6	18
77	Excited-State Dynamics of a D- π -A Type Sulfonium-Based Alkoxystilbene Photoacid Generator. <i>Chemistry of Materials</i> , 2015, 27, 1684-1691.	6.7	18
78	Two-photon fabrication of three-dimensional silver microstructures in microfluidic channels for volumetric surface-enhanced Raman scattering detection. <i>Optical Materials Express</i> , 2016, 6, 1587.	3.0	18
79	Large Two-Photon Absorption Properties of Polyphenyls and Polyfluorenes. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 374, 335-342.	0.9	17
80	Photochromic fluorescent diarylethene nanocrystals grown in sol-gel thin films. <i>Dyes and Pigments</i> , 2011, 89, 241-245.	3.7	17
81	LED-activated methylene blue-loaded Pluronic-gold hybrids for <i>in vitro</i> photodynamic therapy. <i>Journal of Biophotonics</i> , 2013, 6, 950-959.	2.3	17
82	Spatial control of organic nanocrystal nucleation in sol-gel thin films for 3-D optical data storage devices or chemical multi-sensors. <i>Journal of Crystal Growth</i> , 2005, 283, 444-449.	1.5	16
83	Obstructive micro diffracting structures as an alternative to plasmonics nano slits for making efficient microlenses. <i>Optics Express</i> , 2012, 20, 26542.	3.4	16
84	Nonlinear absorption spectra of transparent organic crystals for optical limiting applications at visible wavelengths. <i>Synthetic Metals</i> , 2000, 115, 265-268.	3.9	15
85	Cell-permeant cytoplasmic blue fluorophores optimized for <i>in vivo</i> two-photon microscopy with low-power excitation. <i>Microscopy Research and Technique</i> , 2007, 70, 880-885.	2.2	15
86	Novel 5-(oligofluorenyl)-1,10-phenanthroline type ligands: synthesis, linear and two-photon absorption properties. <i>Tetrahedron Letters</i> , 2008, 49, 1753-1758.	1.4	15
87	Two-Photon Photosensitizer-Polymer Conjugates for Combined Cancer Cell Death Induction and Two-Photon Fluorescence Imaging: Structure/Photodynamic Therapy Efficiency Relationship. <i>Biomacromolecules</i> , 2017, 18, 4022-4033.	5.4	15
88	Simulating Plasmon Resonances of Gold Nanoparticles with Bipyramidal Shapes by Boundary Element Methods. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 3807-3815.	5.3	15
89	Novel nonlinear optical organic materials: Dithienylethylenes. <i>Journal of Chemical Physics</i> , 2001, 115, 6179-6184.	3.0	14
90	Strong Photomechanical Effects in Photochromic Organic Microcrystals. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 431, 495-499.	0.9	14

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91	Bisporphyrin connected by pyrimidine: synthesis and photophysical properties. Journal of Porphyrins and Phthalocyanines, 2010, 14, 877-884.	0.8	14
92	Molecular engineering of organic materials for nonlinear absorption in the visible range: the excited states of tetraphenyl-diamine derivatives. Journal of Optics, 2000, 2, 268-271.	1.5	13
93	Synthesis and optical properties of dyes encapsulated in gold hollow nanoshells. Optical Materials, 2011, 33, 1377-1381.	3.6	13
94	3D Printing and Pyrolysis of Optical ZrO ₂ Nanostructures by Two-Photon Lithography: Reduced Shrinkage and Crystallization Mediated by Nanoparticles Seeds. Small, 2021, 17, e2102486.	10.0	13
95	Organic nanocrystals grown in sol-gel matrices: a new type of hybrid material for optics. Comptes Rendus Physique, 2002, 3, 463-478.	0.9	11
96	New insight in boron chemistry: Application in two-photon absorption. Optical Materials, 2011, 33, 1453-1458.	3.6	11
97	Gold-Pluronic core-shell nanoparticles: synthesis, characterization and biological evaluation. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	11
98	Optically Driven Mobile Integrated Micro-Tools for a Lab-on-a-Chip. Actuators, 2013, 2, 19-26.	2.3	11
99	DENDRITIC FLUORENE OLIGOMERS FOR NONLINEAR ABSORPTION IN THE VISIBLE RANGE. Journal of Nonlinear Optical Physics and Materials, 2005, 14, 311-318.	1.8	9
100	Optical properties of metallic nanostructures fabricated by two-photon induced photoreduction. , 2006, 6195, 619501.		9
101	Laser cross-linking protein captures for living cells on a biochip. , 2015, , .		8
102	NIR-to-NIR Two-Photon Scanning Laser Microscopy Imaging of Single Nanoparticles Doped by Yb ^{III} Complexes. ChemPhysChem, 2016, 17, 128-135.	2.1	8
103	Two-Photon Absorption and Cell Imaging of Fluorene-Functionalized Epicocconone Analogues. Chemistry - A European Journal, 2019, 25, 10954-10964.	3.3	8
104	Two-photon-absorption-induced nonlinear absorption in fluorene oligomers. , 2003, , .		7
105	ROTATIONAL PROPERTIES OF MICRO-SLABS DRIVEN BY LINEARLY-POLARIZED LIGHT. Journal of Nonlinear Optical Physics and Materials, 2005, 14, 375-382.	1.8	7
106	Bifluorene Derivatives for Two-Photon Absorption in the Visible Range. Molecular Crystals and Liquid Crystals, 2006, 446, 175-182.	0.9	7
107	Synthesis, and two photon absorption properties of 7,7-((iminundecahydro-closo-dodecaborate)-9,9-((dihexyl)-2,2-bifluorene. Chemical Communications, 2008, , 3765.	4.1	7
108	Recent Advances in Two-Photon Stereolithography. , 2013, , .		7

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109	Rotational Efficiency of Photo-Driven Archimedes Screws for Micropumps. <i>Micromachines</i> , 2015, 6, 674-683.	2.9	7
110	Quadratic phase modulation and diffraction-limited microfocusing generated by pairs of subwavelength dielectric scatterers. <i>Nanophotonics</i> , 2019, 8, 1051-1061.	6.0	7
111	Optical Properties of Novel GaN 3D Structures Grown by Metal-Organic Chemical Vapor Deposition (MOCVD). <i>Japanese Journal of Applied Physics</i> , 2004, 43, L698-L701.	1.5	6
112	Polymorphism of CMONS Nanocrystals Grown in Silicate Particles through a Spray-Drying Process. <i>Crystal Growth and Design</i> , 2013, 13, 5241-5248.	3.0	6
113	Improvement of two-photon induced photoreduction by using a metal ion solution with a high concentration of silver ions. <i>International Journal of Nanomanufacturing</i> , 2010, 6, 219.	0.3	5
114	Metallic nanowires can lead to wavelength-scale microlenses and microlens arrays. <i>Optics Express</i> , 2012, 20, 15516.	3.4	5
115	Design and evaluation of a 3D multi-manifold micromixer realized by a double-Archimedes-screw for rapid mixing within a short distance. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 120, 59-66.	5.3	5
116	Optical limiting properties of organic nonlinear crystals. , 1997, 3147, 112.		4
117	Third-order nonlinear optical properties of new dithienylethylenes. <i>Synthetic Metals</i> , 2000, 109, 315-319.	3.9	4
118	A novel femtosecond-laser formation of CdS nanocrystallites in zirconia matrices. <i>Journal of Nanoparticle Research</i> , 2010, 12, 1459-1467.	1.9	4
119	Optically driven Archimedes micro-screws for micropump applications: multiple blade design. <i>Proceedings of SPIE</i> , 2011, , .	0.8	4
120	Observation of optical dispersion effects in metallic nanostructures fabricated by laser illumination of an organic polymer matrix doped with metallic salts. , 2007, , .		3
121	Preliminary study of lever-based optical driven micro-actuator. , 2012, , .		3
122	Two-photon excited luminescence of lanthanide complex in monolithic sol-gel hybrid material. <i>Journal of Luminescence</i> , 2013, 133, 175-179.	3.1	3
123	Recent advances in two-photon 3D laser lithography with self-Q-switched Nd:YAG microchip lasers. <i>Proceedings of SPIE</i> , 2013, , .	0.8	3
124	Laser direct writing 3D structures for microfluidic channels: flow meter and mixer. , 2015, , .		3
125	Biphenyl derivatives with enhanced nonlinear absorptivities for optical limiting applications. , 2003, 4797, 15.		2
126	Two-photon induced polymerization of photo-driven microsensors. , 2004, , .		2

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127	Polyfluorene Based Coordination Compounds for Nonlinear Absorption. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 426, 197-204.	0.9	2
128	Degenerate Multi-Photon Properties of Spirofluorene Derivatives. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 6958-6961.	0.9	2
129	Two-photon absorbing chromophores for photodynamic therapy: molecular engineering and in vivo applications. , 2011, , .		2
130	Simulation and Correction of Angular Defects in Two-Photon Lithography. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2011, 24, 651-655.	0.3	2
131	Cylindrical planar microlens based on diffraction of parallel metallic nanowires. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 3277.	2.1	2
132	Two-photon absorption initiation for polymerization with microlasers at 532 and 1064 nm. , 2003, 5211, 104.		1
133	Hybrid materials for Optical Limiting. <i>Materials Research Society Symposia Proceedings</i> , 2004, 847, 274.	0.1	1
134	Nonlinear photochemistry and 3D microfabrication with Q-switched Nd:YAG microchip lasers. , 2011, , .		1
135	3D printing of natural organic materials by photochemistry. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
136	Molecular engineering for two-photon absorption in the visible. , 2000, , .		0
137	Optical power limiting based on two-photon absorption: a promising approach with conjugated oligomers. , 2000, 4087, 682.		0
138	New type of nanocomposite material for optical applications: organic nanocrystals in sol-gel glasses. , 2000, , .		0
139	Nonlinear absorption in bifluorene derivatives. , 2004, 5516, 28.		0
140	Multilayer two-dimensional arrays of organic nanocrystals for 3-D optical data storage. , 2005, , .		0
141	Photochromic organic microcrystals jump under light irradiation. , 2005, , .		0
142	Hybrid materials for nonlinear absorption. , 2005, 5934, 24.		0
143	Novel two-photon absorbing styrylpyridine-based multi-branched dyes: towards pH responsive dyes for biological imaging. , 2006, , .		0
144	Design of pyridine-dicarboxamide ligands for the sensitization of europium(III) by two photon antenna effect. , 2006, 6401, 75.		0

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145	Cross-Phase Modulation: A New Technique for Controlling the Spectral, Temporal, and Spatial Properties of Ultrashort Pulses. , 2006, , 117-183.		0
146	Laser Beam Trajectory Generation for Micro-Manufacturing With a Two-Photon Polymerization Technique. , 2008, , .		0
147	Product Model Preparation and Processing for Micromanufacturing. Journal of Computing and Information Science in Engineering, 2008, 8, .	2.7	0
148	Multifunctional hybrid nanoparticles for two-photon fluorescence imaging and photodynamic therapy. Proceedings of SPIE, 2011, , .	0.8	0
149	Diffraction microstructures based on metallic nanowires: a low cost solution for optical focusing devices. , 2013, , .		0
150	New biodiagnosics based on optical tweezers: typing red blood cells, and identification of drug resistant bacteria. Proceedings of SPIE, 2013, , .	0.8	0
151	Measurement verification of line smoothness and surface roughness of micro products fabricated by two-photon polymerization. Proceedings of SPIE, 2013, , .	0.8	0
152	High resolution multiphoton ablation with negligible thermal effects in transparent materials using Q-switched microchip lasers with 300 picosecond pulses at 532 nm. Proceedings of SPIE, 2014, , .	0.8	0
153	Cross-phase modulation in optical Kerr media: review of discovery experiments. , 2014, , .		0
154	Ultrabright and bleaching-resistant hybrid gold nanoparticles for confocal and two-photon fluorescence imaging. Proceedings of SPIE, 2014, , .	0.8	0
155	Sharp gold based hybrid nanoprobe for cell imaging through dark-field microscopy. Proceedings of SPIE, 2015, , .	0.8	0