Kwang-Sup Lee

List of Publications by Year
in descending order

166	4,161	159585 30	128289 60
papers	citations	h-index	g-index

169	169	169	5229
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advances in 3D nano/microfabrication using two-photon initiated polymerization. Progress in Polymer Science, 2008, 33, 631-681.	24.7	409
2	New Class of Two-Photon-Absorbing Chromophores Based on Dithienothiophene. Chemistry of Materials, 2000, 12, 284-286.	6.7	314
3	Ultrafast Exciton Dissociation Followed by Nongeminate Charge Recombination in PCDTBT:PCBM Photovoltaic Blends. Journal of the American Chemical Society, 2011, 133, 9469-9479.	13.7	266
4	Recent developments in the use of two-photon polymerization in precise 2D and 3D microfabrications. Polymers for Advanced Technologies, 2006, 17, 72-82.	3.2	182
5	Scaling laws of voxels in two-photon photopolymerization nanofabrication. Applied Physics Letters, 2003, 83, 1104-1106.	3.3	178
6	Three-dimensionally crossing manifold micro-mixer for fast mixing in a short channel length. Lab on A Chip, 2011, 11, 100-103.	6.0	139
7	Diketopyrrolopyrrole: A versatile building block for organic photovoltaic materials. Macromolecular Research, 2013, 21, 272-283.	2.4	124
8	Synthesis, Characterization, and Second-Order Optical Nonlinearity of a Polyurethane Structure Functionalized with a Hemicyanine Dye. Macromolecules, 1996, 29, 861-867.	4.8	92
9	Aggregation-enhanced fluorescence in PEGylated phospholipid nanomicelles for inÂvivo imaging. Biomaterials, 2011, 32, 5880-5888.	11.4	92
10	Shape precompensation in two-photon laser nanowriting of photonic lattices. Applied Physics Letters, 2004, 85, 3708-3710.	3.3	85
11	Dâ€Ïâ€A Conjugated Molecules for Optoelectronic Applications. Macromolecular Rapid Communications, 2015, 36, 943-958.	3.9	85
12	Fabrication of a bunch of sub-30-nm nanofibers inside microchannels using photopolymerization via a long exposure technique. Applied Physics Letters, 2006, 89, 173133.	3.3	83
13	Aggregation-enhanced two-photon absorption and up-converted fluorescence of quadrupolar 1,4-bis(cyanostyryl)benzene derivatives showing solvatochromic fluorescence. Journal of Materials Chemistry, 2010, 20, 7422.	6.7	69
14	Subregional slicing method to increase three-dimensional nanofabrication efficiency in two-photon polymerization. Applied Physics Letters, 2005, 87, 154108.	3.3	67
15	Robust Microstructures Using UV Photopatternable Semiconductor Nanocrystals. Nano Letters, 2008, 8, 3262-3265.	9.1	62
16	Syntheses, electrical and nonlinear optical properties of PPV derivatives containing alkoxynitrostilbene group. Synthetic Metals, 1995, 71, 1719-1720.	3.9	60
17	Improvement of spatial resolution in nano-stereolithography using radical quencher. Macromolecular Research, 2006, 14, 559-564.	2.4	60
18	Photopatternable Quantum Dots Forming Quasi-Ordered Arrays. Nano Letters, 2010, 10, 2310-2317.	9.1	58

#	Article	IF	Citations
19	Ultraprecise microreproduction of a three-dimensional artistic sculpture by multipath scanning method in two-photon photopolymerization. Applied Physics Letters, 2007, 90, 013113.	3.3	54
20	Vibrational spectroscopic studies of linear and cyclic alkanes CnH2n+2, CnH2n with 24â©½nâ©½288: Chain folding, chain packing and conformations. Polymer, 1987, 28, 889-896.	3.8	50
21	Quantum dots (QDs) for photonic applications. Optical Materials Express, 2012, 2, 578.	3.0	50
22	A Nonlinear Optical Polyurethane Functionalized with a Heteroaromatic Thiophene Ring Having a Tricyanovinyl Group. Polymer Journal, 2000, 32, 8-14.	2.7	47
23	Reversible Fluorescent Onâ€“Off Recording in a Highly Transparent Polymeric Material Utilizing Fluorescent Resonance Energy Transfer (FRET) Induced by Heat Treatment. Advanced Functional Materials, 2008, 18, 2869-2879.	14.9	41
24	Effect of core quantum-dot size on power-conversion-efficiency for silicon solar-cells implementing energy-down-shift using CdSe/ZnS core/shell quantum dots. Nanoscale, 2014, 6, 12524-12531.	5.6	41
25	An alternative synthetic route to soluble polyetherimide derivatives with high second-order optical nonlinearity. Advanced Materials, 1997, 9, 978-981.	21.0	37
26	Synthesis and optical properties of polyurethanes containing a highly NLO active chromophore. Macromolecular Chemistry and Physics, 1998, 199, 1427-1433.	2.2	34
27	Autofocusing method using fluorescence detection for precise two-photon nanofabrication. Optics Express, 2011, 19, 22659.	3.4	34
28	An Alternate Synthetic Approach for Soluble Nonlinear Optical Polyimides. Chemistry of Materials, 1999, 11, 218-226.	6.7	33
29	Significant enhancement of photoresponsive characteristics and mobility of MoS2-based transistors through hybridization with perovskite CsPbBr3 quantum dots. Nano Research, 2019, 12, 405-412.	10.4	33
30	Growth of highly nonlinear optical organic crystal, 3-methyl-4-methoxy-4â€²-nitrostilbene (MMONS). Journal of Crystal Growth, 2005, 277, 509-517.	1.5	32
31	Highly effective three-dimensional large-scale microfabrication using a continuous scanning method. Applied Physics A: Materials Science and Processing, 2008, 92, 541-545.	2.3	31
32	Magnetically Actuated SiCNâ€Based Ceramic Microrobot for Guided Cell Delivery. Advanced Healthcare Materials, 2019, 8, e1900739.	7.6	29
33	Effective fabrication of three-dimensional nano/microstructures in a single step using multilayered stamp. Applied Physics Letters, 2006, 88, 203105.	3.3	28
34	Hyperbranched polysiloxysilane nanoparticles: Surface charge control of nonviral gene delivery vectors and nanoprobes. International Journal of Pharmaceutics, 2009, 376, 141-152.	5.2	28
35	Photosensitive Functionalized Surfaceâ€Modified Quantum Dots for Polymeric Structures via Twoâ€Photonâ€Initiated Polymerization Technique. Macromolecular Rapid Communications, 2015, 36, 1108-1114.	3.9	28
36	Investigation of three-dimensional pattern collapse owing to surface tension using an imperfection finite element model. Microelectronic Engineering, 2008, 85, 432-439.	2.4	27

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37	High-performance n-type organic field-effect transistors fabricated by ink-jet printing using a C60 derivative. Organic Electronics, 2009, 10, 1028-1031.	2.6	27
38	Study of third-order optical non-linearity and electrical conductivity of sol-gel processed silica: poly(2-bromo-5-methoxy-p-phenylene vinylene) composite. Polymer, 1992, 33, 4145-4151.	3.8	26
39	Correlating nano black spots and optical stability in mixed halide perovskite quantum dots. Journal of Materials Chemistry C, 2018, 6, 7803-7813.	5.5	25
40	Title is missing!. Die Makromolekulare Chemie, 1993, 194, 1115-1124.	1.1	24
41	Net Shape Manufacturing of Threeâ€Dimensional SiCN Ceramic Microstructures Using an Isotropic Shrinkage Method by Introducing Shrinkage Guiders. International Journal of Applied Ceramic Technology, 2008, 5, 258-264.	2.1	24
42	Triplet State Formation in Photovoltaic Blends of DPPâ€Type Copolymers and PC₇₁BM. Macromolecular Rapid Communications, 2015, 36, 1122-1128.	3.9	24
43	Thermal conversion of t -butyloxycarbonyloxy attached polyamides to polybenzoxazoles. Polymer Bulletin, 2000, 44, 55-62.	3.3	23
44	TWO-PHOTON STEREOLITHOGRAPHY. Journal of Nonlinear Optical Physics and Materials, 2007, 16, 59-73.	1.8	23
45	Synthesis and characterization of dithienylbenzobis(thiadiazole)-based low band-gap polymers for organic electronics. Chemical Communications, 2011, 47, 8931.	4.1	23
46	The effect of processing additive on aggregated fullerene derivatives in bulk-heterojunction polymer solar cells. Organic Electronics, 2012, 13, 570-578.	2.6	23
47	Remote Biosensing with Polychromatic Optical Waveguide Using Blue Lightâ€Emitting Organic Nanowires Hybridized with Quantum Dots. Advanced Functional Materials, 2014, 24, 3684-3691.	14.9	23
48	Pattern Formation of Silver Nanoparticles in 1â€; 2â€; and 3D Microstructures Fabricated by a Photoâ€•and Thermal Reduction Method. Advanced Functional Materials, 2010, 20, 2296-2302.	14.9	21
49	Photosensitive n-Type Doping Using Perovskite CsPbX₃ Quantum Dots for Two-Dimensional MSe₂ (M = Mo and W) Field-Effect Transistors. ACS Applied Materials & Interfaces, 2020, 12, 25159-25167.	8.0	21
50	Proportional enlargement of movement by using an optically driven multi-link system with an elastic joint. Optics Express, 2010, 18, 13745.	3.4	20
51	Environmentally friendly quantum-dot color filters for ultra-high-definition liquid crystal displays. Scientific Reports, 2020, 10, 15817.	3.3	20
52	Solution processable and photopatternable blue, green and red quantum dots suitable for full color displays devices. Optical Materials Express, 2012, 2, 519.	3.0	19
53	Quantum dot and Ï€-conjugated molecule hybrids: nanoscale luminescence and application to photoresponsive molecular electronics. NPG Asia Materials, 2014, 6, e103-e103.	7.9	19
54	Exploring Orbitâ€“Orbit Interaction in Relationship to Photoluminescence Quantum Efficiency in Perovskite Quantum Dots through Rashba Effect. Journal of Physical Chemistry Letters, 2020, 11, 1-6.	4.6	19

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55	Novel bent-shaped liquid crystalline compounds: 1. Synthesis and structure analysis of dimesogenic compounds with azo units. Optical Materials, 2003, 21, 685-689.	3.6	18
56	Vibrational spectroscopy as a tool for characterization of oligothiopheneâ€“fullerene linked dyads. Chemical Physics Letters, 2009, 479, 224-228.	2.6	18
57	Increased open-circuit voltage in bulk-heterojunction solar cells using a C60 derivative. Applied Physics Letters, 2010, 97, 193309.	3.3	18
58	Luminescence enhancement by surface plasmon assisted FÃ¶rster resonance energy transfer in quantum dots and light emitting polymer hybrids with Au nanoparticles. Synthetic Metals, 2014, 187, 130-135.	3.9	17
59	Energy and Charge Transfer in Nanoscale Hybrid Materials. Macromolecular Rapid Communications, 2015, 36, 1026-1046.	3.9	16
60	Photodynamic assembly of nanoparticles towards designable patterning. Nanoscale Horizons, 2016, 1, 201-211.	8.0	16
61	Recent Progress of Lithographic Microfabrication by the TPA-Induced Photopolymerization. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2004, 17, 385-392.	0.3	15
62	Solution-processable fullerene derivatives for organic photovoltaics and n-type thin-film transistors. Current Applied Physics, 2011, 11, e44-e48.	2.4	15
63	Lithographic Microfabrication by Using Two-Photon Absorbing Phenylenevinylene Derivative. Molecular Crystals and Liquid Crystals, 2004, 424, 35-41.	0.9	14
64	Nonlinear optical properties of a processable polyimide having azo-dye functionalized with cyanosulfonyl group. Synthetic Metals, 2001, 117, 307-309.	3.9	13
65	Direct laser patterning on opaque substrate in two-photon polymerization. Macromolecular Research, 2006, 14, 245-250.	2.4	13
66	Vibrational properties of two fullereneâ€“thiophene-based dyads. Synthetic Metals, 2009, 159, 2539-2543.	3.9	13
67	Optical Materials Forming Tightly Polymerized Voxels during Laser Direct Writing. Advanced Engineering Materials, 2018, 20, 1800320.	3.5	13
68	Synthesis and characteristics of a solution-processable fullerene derivative for n-type organic field-effect transistors. Thin Solid Films, 2010, 519, 690-693.	1.8	12
69	Photopatternable cadmium-free quantum dots with ene-functionalization. Optical Materials Express, 2017, 7, 2440.	3.0	12
70	Versatile applications of three-dimensional objects fabricated by two-photon-initiated polymerization. MRS Communications, 2019, 9, 53-66.	1.8	12
71	A new NLO polyurethane with a tricyanovinyl group. Synthetic Metals, 1999, 101, 136-137.	3.9	11
72	Selective ablation-assisted two-photon stereolithography forÂeffective nano- and microfabrication. Applied Physics A: Materials Science and Processing, 2011, 103, 1111-1116.	2.3	11

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73	Thin film morphology and charge carrier mobility of diketopyrrolopyrrole based conjugated polymers. Polymer, 2015, 73, 205-213.	3.8	11
74	Synthesis and properties of aromatic polyamides and polyesters containing spiroacetal and silphenylene units. Polymer Bulletin, 1995, 35, 57-63.	3.3	10
75	NLO activities of novel solâ€“gel processed systems with three different bonding direction. Synthetic Metals, 2001, 117, 311-313.	3.9	10
76	Enhanced Emission and Two-Photon Absorption Cross-Section by Nanoaggregation of a Cyano-Substituted Stilbene Derivative. Journal of Nanoscience and Nanotechnology, 2008, 8, 4793-4796.	0.9	10
77	Nanoscale luminescence characteristics of CdSe/ZnS quantum dots hybridized with organic and metal nanowires: energy transfer effects. Journal of Materials Chemistry C, 2013, 1, 2145.	5.5	10
78	Effective direct writing of hierarchical 3D polymer micromeshes by continuous out-of-plane longitudinal scanning. Macromolecular Research, 2017, 25, 1129-1134.	2.4	10
79	Bipolar behavior revealed by D-Ï€-D chromophores bearing dithienothiophene (DTT) as Ï€-center in redox- and LE properties. Chemical Physics Letters, 2002, 364, 432-437.	2.6	9
80	Water-Soluble Porphyrin-Polyethylene Glycol Conjugates with Enhanced Cellular Uptake for Photodynamic Therapy. Journal of Nanoscience and Nanotechnology, 2009, 9, 7130-5.	0.9	9
81	3D Stereolithography by Using Twoâ€Photon Photopolymerization. Macromolecular Symposia, 2010, 298, 25-33.	0.7	9
82	Electronic excitations of the fullereneâ€“thiophene-derived dyads. Synthetic Metals, 2011, 161, 229-234.	3.9	9
83	Fabrication of 15Ânm curvature radius polymer tip probe on an optical fiber via two-photon polymerization and O2-plasma ashing. Current Applied Physics, 2013, 13, 2064-2069.	2.4	9
84	Optical signal demultiplexing and conversion in the fullereneâ€“oligothiopheneâ€“CdS system. Applied Surface Science, 2014, 319, 285-290.	6.1	9
85	Synthesis and linear/nonlinear optical properties of new polyamides with DANS chromophore and silphenylene groups. Optical Materials, 2003, 21, 87-92.	3.6	8
86	Adaptive bonding technique for precise assembly of three-dimensional microstructures. Applied Physics Letters, 2007, 90, 233109.	3.3	8
87	Photoelectrochemical cells based on LB films of fullereneâ€“thiophene derived dyads. Synthetic Metals, 2011, 161, 1640-1645.	3.9	8
88	Spin-orbital coupling and slow phonon effects enabled persistent photoluminescence in organic crystal under isomer doping. Nature Communications, 2021, 12, 3485.	12.8	8
89	Synthesis and Characterization of Anthracene Derivative for Organic Field-Effect Transistor Fabrication. Journal of Nanoscience and Nanotechnology, 2012, 12, 4269-4273.	0.9	7
90	The impact of charge defects and resonance enhancement on the two-photon absorption activity of spirofluorene and ladder-type pentaphenylene derivatives. Journal of Materials Chemistry, 2012, 22, 185-191.	6.7	7

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91	Fabrication of sharp-needled conical polymer tip on the cross-section of optical fiber via two-photon polymerization for tuning-fork-based atomic force microscopy. Optics Communications, 2013, 286, 197-203.	2.1	7
92	3D Hierarchical, Pyramid-Based Cancer Cell Chip for the Detection of Anticancer Drug Effects. Journal of Biomedical Nanotechnology, 2016, 12, 2125-2138.	1.1	7
93	Evaluation of anticancer drug in a polymer 3D cell chip. Optical Materials Express, 2017, 7, 2752.	3.0	7
94	Synthesis and Characterization of Cyclopentadithiophene and Thienothiophene-Based Polymers for Organic Thin-Film Transistors and Solar Cells. Macromolecular Research, 2018, 26, 934-941.	2.4	7
95	Highly efficient and thermally stable secondâ€order nonlinear optical polymers. Macromolecular Symposia, 1997, 118, 519-525.	0.7	6
96	Mach-Zehnder electro-optic modulator based on organic-silica sol-gel hybrid films. Electronics Letters, 1999, 35, 1770.	1.0	6
97	Two-Photon Absorption Cross Sections of Dithienothiophene-Based Molecules. ETRI Journal, 2002, 24, 221-225.	2.0	6
98	Large two-beam coupling effect in poly(methylmethacrylate) doped with hemicyanine dye. Optical Materials, 2003, 21, 379-383.	3.6	6
99	Optical power limiting properties of two-photon absorbing fluorene and dithienothiophene-based chromophores. , 2003, , .		6
100	Organic field effect transistors fabricated using a composite of poly(9-vinylcarbazole) and pentacene precursor. Synthetic Metals, 2011, 161, 2422-2426.	3.9	6
101	Feature issue introduction: quantum dots for photonic applications. Optical Materials Express, 2012, 2, 682.	3.0	6
102	Vibrational investigations of new functionalized fullerenes. Synthetic Metals, 2012, 162, 285-290.	3.9	6
103	Hybrid effects of CdSe/ZnS quantum dots on pâ€“n heterojunction organic nanowire. Synthetic Metals, 2013, 163, 1-6.	3.9	6
104	Spectroscopic properties and orientation of molecules in Langmuirâ€“Blodgett layers of selected functionalized fullerenes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 204-209.	3.9	6
105	Highly biocompatible amphiphilic perylenediimide derivative for bioimaging. Optical Materials Express, 2016, 6, 1420.	3.0	6
106	Identifying Different Spin Mixing Channels Occurring in Charge-Transfer States. Journal of Physical Chemistry C, 2020, 124, 14832-14837.	3.1	6
107	Organic-Inorganic Hybrid Materials for Nonlinear Optics Applications. Molecular Crystals and Liquid Crystals, 2000, 353, 525-537.	0.3	5
108	Synthesis and Characterization of Hyperbranched Polymer for Second-Order Nonlinear Optics. Molecular Crystals and Liquid Crystals, 2001, 371, 341-344.	0.3	5

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109	Organic-Inorganic Hybrid Material for Electro-Optic Modulator. Molecular Crystals and Liquid Crystals, 2001, 371, 337-340.	0.3	5
110	TWO-PHOTON ABSORBING PHENYLENEVINYLENE DERIVATIVE HAVING SILYLOXY MOIETIES IN DONOR UNITS. Journal of Nonlinear Optical Physics and Materials, 2004, 13, 467-474.	1.8	5
111	DIRECT NANO-PATTERNING METHODS USING NONLINEAR ABSORPTION IN PHOTOPOLYMERIZATION INDUCED BY A FEMTOSECOND LASER. Journal of Nonlinear Optical Physics and Materials, 2005, 14, 331-340.	1.8	5
112	Effect of Dimer Formation on the Growth Cessation of Polar Organic Crystals. Crystal Growth and Design, 2006, 6, 2011-2020.	3.0	5
113	Second-order nonlinear optical properties and polar order relaxation dynamics in a cyano-chromophore grafted polyurethane polymer. Optics Communications, 2006, 263, 337-341.	2.1	5
114	Synthesis and Properties of a Solution-Processable Truxene Derivative for OLED Devices. Journal of Nanoscience and Nanotechnology, 2010, 10, 6916-6919.	0.9	5
115	Blue Organic Light-Emitting Diodes Based on Solution-Processed Fluorene Derivative. Journal of Nanoscience and Nanotechnology, 2010, 10, 6925-6928.	0.9	5
116	Hybrid effect of doped and de-doped poly(3-methylthiophene) nanowires with CdSe/ZnS quantum dots: Nanoscale luminescence variation. Synthetic Metals, 2013, 164, 22-26.	3.9	5
117	Nanoscale optoelectronic properties of organic pâ€“n junction P3HT/PCBM nanoparticles hybridized with CdSe/ZnS quantum dots. Synthetic Metals, 2014, 193, 17-22.	3.9	5
118	Nanoscale photovoltaic characteristics of single quantum dot hybridized with poly(3-hexylthiophene). Organic Electronics, 2014, 15, 2893-2902.	2.6	5
119	Tuning of electronic properties of fullerene-oligothiophene layers. Applied Physics Letters, 2015, 106, .	3.3	5
120	Fluorene-Based Organic Molecule with High Two-Photon Absorption Activities. Molecular Crystals and Liquid Crystals, 2001, 370, 155-159.	0.3	4
121	Multibranched and dendritic organic materials with high two-photon absorption activity. , 2004, 5621, 1.		4
122	Synthesis and Properties of Quantum Dot-Polypyrrole Nanotube Composites for Photovoltaic Application. Journal of Nanoscience and Nanotechnology, 2009, 9, 6957-61.	0.9	4
123	Feature issue introduction: quantum dots for photonic applications. Optics Express, 2012, 20, 10721.	3.4	4
124	Enhanced photoresponsive mobility of rubrene nanosheet-based organic field effect transistors through hybridization with CdSe/ZnS quantum dots. Synthetic Metals, 2014, 190, 8-12.	3.9	4
125	Ultrafast Laser-Induced Two-Photon Photopolymerization of SU-8 High-Aspect-Ratio Structures and Nanowire. Journal of the Korean Physical Society, 2009, 54, 215-219.	0.7	4
126	A Scheme to Control Laser Power and Exposure Time for Fabricating Precise 3-Dimensional Microstructures Using Two-photon Polymerization. Journal of the Korean Chemical Society, 2005, 49, 292-299.	0.2	4

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127	Photochromism of Liquid Crystalline Polymers with Spiropyran Derivatives. Molecular Crystals and Liquid Crystals, 2001, 370, 131-134.	0.3	3
128	Fluorescence Enhancement of Ruthenium Complex on Silver Using Different Chain Length Carboxylic Acid Terminated Thiols: Distance and Metal Concentration Study. Journal of Nanoscience and Nanotechnology, 2008, 8, 4747-4751.	0.9	3
129	Synthesis and Photophysical Properties of Two-Photon Absorbing Spirofluorene Derivatives. Journal of Nanoscience and Nanotechnology, 2012, 12, 4403-4408.	0.9	3
130	Two-photon absorption dye based on 2,5-bis(phenylacrylonitrile)thiophene with aggregration enhanced fluorescence. Optical Materials Express, 2016, 6, 1296.	3.0	3
131	Impact of position of electron withdrawing cyano groups on nonlinear optical properties of centrosymmetric donorâ€Ïâ€acceptor system. International Journal of Quantum Chemistry, 2017, 117, e25441.	2.0	3
132	Photoexcitation-Controllable Magnetization in Magneticâ€“Semiconducting Nanohybrid Containing Î³-Fe₂O₃â€“Graphene (0Dâ€“2D) van der Waals Heterostructure Based on Steady-State Pumpâ€“Probe Light Scattering Measurement in Magnetic Field. Journal of Physical Chemistry C, 2018, 122, 6912-6917.	3.1	3
133	Energy and charge transfer effects for hybrids of perovskite CsPbBr3 quantum dots on organic semiconducting rubrene nanosheet. Organic Electronics, 2019, 65, 243-250.	2.6	3
134	Synthesis and characterization of polyurethanes with nonlinear optical active groups. Synthetic Metals, 1993, 57, 3998-4003.	3.9	2
135	Improvement of Spatial Resolution in Two-Photon Stereolithography. , 2006, , .		2
136	Degenerate Multi-Photon Properties of Spirofluorene Derivatives. Journal of Nanoscience and Nanotechnology, 2010, 10, 6958-6961.	0.9	2
137	Diethynylbenzene-Based Liquid Crystalline Semiconductor for Solution-Processable Organic Thin-Film Transistors. Journal of Nanoscience and Nanotechnology, 2010, 10, 6800-6804.	0.9	2
138	Fabrication of Microstructures Containing High Refractive Index Materials by Two-Photon Lithography. Molecular Crystals and Liquid Crystals, 2013, 578, 4-18.	0.9	2
139	Optical Waveguiding: Remote Biosensing with Polychromatic Optical Waveguide Using Blue Light-Emitting Organic Nanowires Hybridized with Quantum Dots (Adv. Funct. Mater. 24/2014). Advanced Functional Materials, 2014, 24, 3683-3683.	14.9	2
140	Feature issue introduction: organic and polymeric materials for photonic applications. Optical Materials Express, 2017, 7, 2691.	3.0	2
141	Biocompatible Microrobots: Magnetically Actuated SiCNâ€Based Ceramic Microrobot for Guided Cell Delivery (Adv. Healthcare Mater. 21/2019). Advanced Healthcare Materials, 2019, 8, 1970085.	7.6	2
142	Skin Fibroblast Cells on 3D Skin Cell Chip Using Nanogold Platform Structures and Three-Floor Structures. Science of Advanced Materials, 2016, 8, 2147-2152.	0.7	2
143	Photophysics and Spinâ€Physics Studies on Persistent Upconversion Luminescence from Nonlinearly Polarizable Ferroelectricâ€Like Lattice Prepared by Orderly Packing Donorâ€“Acceptor Structures under Multiphoton Excitation. Advanced Optical Materials, 0, , 2102002.	7.3	2
144	Highly stable mixed halide perovskite quantum dots synthesized in the presence of fluorous ligands. Nano Select, 0, , .	3.7	2

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145	Third-order optical nonlinearity of poly(thienylene vinylene)/silica sol-gel composite. Synthetic Metals, 1993, 57, 3992-3997.	3.9	1
146	Efficiently Site-Isolated Two-Photon Absorbing Dendrimer with Stilbazolium Chromophore. Molecular Crystals and Liquid Crystals, 2008, 491, 183-193.	0.9	1
147	Alkylated Fullerene Derivatives for Solution-Processable Organic Thin-Film Transistors and Bulkheterojunction Solar Cells. Journal of Nanoscience and Nanotechnology, 2014, 14, 2515-2519.	0.9	1
148	Energy transfer effect of hybrid organic rubrene nanorod with CdSe/ZnS quantum dots: Application to optical waveguiding modulators. Synthetic Metals, 2014, 198, 285-292.	3.9	1
149	Feature issue introduction: biophotonic materials and applications. Optical Materials Express, 2016, 6, 1747.	3.0	1
150	Photo-polymerization. Polymers and Polymeric Composites, 2019, , 1-52.	0.6	1
151	Photo-polymerization. Polymers and Polymeric Composites, 2019, , 1-53.	0.6	1
152	Two-photon absorption and optical power limiting properties of thiophene-based organics. , 0, , .		0
153	Photorefractive effect in nematic liquid crystals doped with nonlinear optical chromophores. , 0, , .		0
154	Theoretical Two-Photon Absorption Cross-Sections of Dithienothiophene-Based Molecules. Molecular Crystals and Liquid Crystals, 2001, 370, 173-176.	0.3	0
155	Synthesis and Characterization of Photorefractive Polymer containing Multifunctional Chromophore. Molecular Crystals and Liquid Crystals, 2001, 370, 151-154.	0.3	0
156	Contour offset algorithm (COA) in nano replication printing (nRP) for fabricating nano-precision features. Journal of Mechanical Science and Technology, 2005, 19, 2105-2111.	1.5	0
157	Photodetection and Photovoltaic Properties of Polymer Composite Materials Based on Pentacene and Carbon Nanotube. LEOS Summer Topical Meeting, 2007, , .	0.0	0
158	Nano Woodpile Structure via Two Photon Absorption Polymerization. , 2007, , .		0
159	Efficient Two-Photon Absorbing Photosensitizers Based on Diazafluorene Moiety for 3-D TPP Fabrication. Molecular Crystals and Liquid Crystals, 2008, 486, 12/[1054]-20/[1062].	0.9	0
160	Realizing metal and quantum dot containing patterns by two-photon lithography. , 2011, , .		0
161	Fluorene-based conjugated polymers containing acetylene linkages for photovoltaics. Molecular Crystals and Liquid Crystals, 2017, 655, 150-158.	0.9	0
162	Enhancement of electron emission by using metal oxide-based cathodes with low work functions for vacuum UV ionizers. Molecular Crystals and Liquid Crystals, 2019, 686, 18-29.	0.9	0

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163	3D Micro-objects Containing Quantum Dots and Metallic Nanoparticles Fabricated by Two-Photon Lithography. , 2012, , .		0
164	Optical Characteristics of Hybrid-Nanostructures Using 2D Semiconductors and Applications to Photo-Triggered Field-Effect-Transistors and Sensitive Photodetectors. , 2019, , .		0
165	Effects on Addition of Metal Oxides with Low Workfunctions on the Ca-Sr-Ba Oxide Cathodes for VUV Ionizers. Korean Journal of Materials Research, 2019, 29, 241-251.	0.2	0
166	Tailored multiphoton polymerization for functional microstructures. , 2019, , .		0