

Kwang-Sup Lee

List of Publications by Year in descending order

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166
papers

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159585

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169
times ranked

5229
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-orbital coupling and slow phonon effects enabled persistent photoluminescence in organic crystal under isomer doping. <i>Nature Communications</i> , 2021, 12, 3485.	12.8	8
2	Exploring Orbitâ€“Orbit Interaction in Relationship to Photoluminescence Quantum Efficiency in Perovskite Quantum Dots through Rashba Effect. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1-6.	4.6	19
3	Environmentally friendly quantum-dot color filters for ultra-high-definition liquid crystal displays. <i>Scientific Reports</i> , 2020, 10, 15817.	3.3	20
4	Photosensitive n-Type Doping Using Perovskite CsPbX ₃ Quantum Dots for Two-Dimensional MSe ₂ (M = Mo and W) Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25159-25167.	8.0	21
5	Identifying Different Spin Mixing Channels Occurring in Charge-Transfer States. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14832-14837.	3.1	6
6	Enhancement of electron emission by using metal oxide-based cathodes with low work functions for vacuum UV ionizers. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 686, 18-29.	0.9	0
7	Magnetically Actuated SiCNâ€“Based Ceramic Microrobot for Guided Cell Delivery. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900739.	7.6	29
8	Photo-polymerization. <i>Polymers and Polymeric Composites</i> , 2019, , 1-52.	0.6	1
9	Biocompatible Microrobots: Magnetically Actuated SiCNâ€“Based Ceramic Microrobot for Guided Cell Delivery (<i>Adv. Healthcare Mater.</i> 21/2019). <i>Advanced Healthcare Materials</i> , 2019, 8, 1970085.	7.6	2
10	Significant enhancement of photoresponsive characteristics and mobility of MoS ₂ -based transistors through hybridization with perovskite CsPbBr ₃ quantum dots. <i>Nano Research</i> , 2019, 12, 405-412.	10.4	33
11	Energy and charge transfer effects for hybrids of perovskite CsPbBr ₃ quantum dots on organic semiconducting rubrene nanosheet. <i>Organic Electronics</i> , 2019, 65, 243-250.	2.6	3
12	Versatile applications of three-dimensional objects fabricated by two-photon-initiated polymerization. <i>MRS Communications</i> , 2019, 9, 53-66.	1.8	12
13	Photo-polymerization. <i>Polymers and Polymeric Composites</i> , 2019, , 1-53.	0.6	1
14	Optical Characteristics of Hybrid-Nanostructures Using 2D Semiconductors and Applications to Photo-Triggered Field-Effect-Transistors and Sensitive Photodetectors. , 2019, , .		0
15	Effects on Addition of Metal Oxides with Low Workfunctions on the Ca-Sr-Ba Oxide Cathodes for VUV Ionizers. <i>Korean Journal of Materials Research</i> , 2019, 29, 241-251.	0.2	0
16	Tailored multiphoton polymerization for functional microstructures. , 2019, , .		0
17	Photoexcitation-Controllable Magnetization in Magneticâ€“Semiconducting Nanohybrid Containing Î³-Fe ₂ O ₃ â€“Graphene (0Dâ€“2D) van der Waals Heterostructure Based on Steady-State Pumpâ€“Probe Light Scattering Measurement in Magnetic Field. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6912-6917.	3.1	3
18	Synthesis and Characterization of Cyclopentadithiophene and Thienothiophene-Based Polymers for Organic Thin-Film Transistors and Solar Cells. <i>Macromolecular Research</i> , 2018, 26, 934-941.	2.4	7

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19	Optical Materials Forming Tightly Polymerized Voxels during Laser Direct Writing. <i>Advanced Engineering Materials</i> , 2018, 20, 1800320.	3.5	13
20	Correlating nano black spots and optical stability in mixed halide perovskite quantum dots. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7803-7813.	5.5	25
21	Effective direct writing of hierarchical 3D polymer micromeshes by continuous out-of-plane longitudinal scanning. <i>Macromolecular Research</i> , 2017, 25, 1129-1134.	2.4	10
22	Impact of position of electron withdrawing cyano groups on nonlinear optical properties of centrosymmetric donor- π -acceptor system. <i>International Journal of Quantum Chemistry</i> , 2017, 117, e25441.	2.0	3
23	Fluorene-based conjugated polymers containing acetylene linkages for photovoltaics. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 655, 150-158.	0.9	0
24	Photopatternable cadmium-free quantum dots with ene-functionalization. <i>Optical Materials Express</i> , 2017, 7, 2440.	3.0	12
25	Feature issue introduction: organic and polymeric materials for photonic applications. <i>Optical Materials Express</i> , 2017, 7, 2691.	3.0	2
26	Evaluation of anticancer drug in a polymer 3D cell chip. <i>Optical Materials Express</i> , 2017, 7, 2752.	3.0	7
27	3D Hierarchical, Pyramid-Based Cancer Cell Chip for the Detection of Anticancer Drug Effects. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 2125-2138.	1.1	7
28	Two-photon absorption dye based on 2,5-bis(phenylacrylonitrile)thiophene with aggregation enhanced fluorescence. <i>Optical Materials Express</i> , 2016, 6, 1296.	3.0	3
29	Highly biocompatible amphiphilic perylenediimide derivative for bioimaging. <i>Optical Materials Express</i> , 2016, 6, 1420.	3.0	6
30	Feature issue introduction: biophotonic materials and applications. <i>Optical Materials Express</i> , 2016, 6, 1747.	3.0	1
31	Photodynamic assembly of nanoparticles towards designable patterning. <i>Nanoscale Horizons</i> , 2016, 1, 201-211.	8.0	16
32	Skin Fibroblast Cells on 3D Skin Cell Chip Using Nanogold Platform Structures and Three-Floor Structures. <i>Science of Advanced Materials</i> , 2016, 8, 2147-2152.	0.7	2
33	Energy and Charge Transfer in Nanoscale Hybrid Materials. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1026-1046.	3.9	16
34	Thin film morphology and charge carrier mobility of diketopyrrolopyrrole based conjugated polymers. <i>Polymer</i> , 2015, 73, 205-213.	3.8	11
35	Tuning of electronic properties of fullerene-oligothiophene layers. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	5
36	Triplet State Formation in Photovoltaic Blends of DPPa-Type Copolymers and PC ₇₁ BM. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1122-1128.	3.9	24

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37	D-π-A Conjugated Molecules for Optoelectronic Applications. <i>Macromolecular Rapid Communications</i> , 2015, 36, 943-958.	3.9	85
38	Photosensitive Functionalized Surface-Modified Quantum Dots for Polymeric Structures via Two-Photon-Initiated Polymerization Technique. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1108-1114.	3.9	28
39	Quantum dot and π-conjugated molecule hybrids: nanoscale luminescence and application to photoresponsive molecular electronics. <i>NPG Asia Materials</i> , 2014, 6, e103-e103.	7.9	19
40	Alkylated Fullerene Derivatives for Solution-Processable Organic Thin-Film Transistors and Bulk-heterojunction Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 2515-2519.	0.9	1
41	Remote Biosensing with Polychromatic Optical Waveguide Using Blue Light-Emitting Organic Nanowires Hybridized with Quantum Dots. <i>Advanced Functional Materials</i> , 2014, 24, 3684-3691.	14.9	23
42	Optical Waveguiding: Remote Biosensing with Polychromatic Optical Waveguide Using Blue Light-Emitting Organic Nanowires Hybridized with Quantum Dots (<i>Adv. Funct. Mater.</i> 24/2014). <i>Advanced Functional Materials</i> , 2014, 24, 3683-3683.	14.9	2
43	Nanoscale optoelectronic properties of organic p-n junction P3HT/PCBM nanoparticles hybridized with CdSe/ZnS quantum dots. <i>Synthetic Metals</i> , 2014, 193, 17-22.	3.9	5
44	Luminescence enhancement by surface plasmon assisted Förster resonance energy transfer in quantum dots and light emitting polymer hybrids with Au nanoparticles. <i>Synthetic Metals</i> , 2014, 187, 130-135.	3.9	17
45	Enhanced photoresponsive mobility of rubrene nanosheet-based organic field effect transistors through hybridization with CdSe/ZnS quantum dots. <i>Synthetic Metals</i> , 2014, 190, 8-12.	3.9	4
46	Energy transfer effect of hybrid organic rubrene nanorod with CdSe/ZnS quantum dots: Application to optical waveguiding modulators. <i>Synthetic Metals</i> , 2014, 198, 285-292.	3.9	1
47	Nanoscale photovoltaic characteristics of single quantum dot hybridized with poly(3-hexylthiophene). <i>Organic Electronics</i> , 2014, 15, 2893-2902.	2.6	5
48	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. <i>Nanoscale</i> , 2014, 6, 12524-12531.	5.6	41
49	Optical signal demultiplexing and conversion in the fullerene-oligothiophene-CdS system. <i>Applied Surface Science</i> , 2014, 319, 285-290.	6.1	9
50	Spectroscopic properties and orientation of molecules in Langmuir-Blodgett layers of selected functionalized fullerenes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 204-209.	3.9	6
51	Diketopyrrolopyrrole: A versatile building block for organic photovoltaic materials. <i>Macromolecular Research</i> , 2013, 21, 272-283.	2.4	124
52	Hybrid effect of doped and de-doped poly(3-methylthiophene) nanowires with CdSe/ZnS quantum dots: Nanoscale luminescence variation. <i>Synthetic Metals</i> , 2013, 164, 22-26.	3.9	5
53	Hybrid effects of CdSe/ZnS quantum dots on p-n heterojunction organic nanowire. <i>Synthetic Metals</i> , 2013, 163, 1-6.	3.9	6
54	Nanoscale luminescence characteristics of CdSe/ZnS quantum dots hybridized with organic and metal nanowires: energy transfer effects. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2145.	5.5	10

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55	Fabrication of Microstructures Containing High Refractive Index Materials by Two-Photon Lithography. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 578, 4-18.	0.9	2
56	Fabrication of sharp-needed conical polymer tip on the cross-section of optical fiber via two-photon polymerization for tuning-fork-based atomic force microscopy. <i>Optics Communications</i> , 2013, 286, 197-203.	2.1	7
57	Fabrication of 15Ånm curvature radius polymer tip probe on an optical fiber via two-photon polymerization and O ₂ -plasma ashing. <i>Current Applied Physics</i> , 2013, 13, 2064-2069.	2.4	9
58	Synthesis and Characterization of Anthracene Derivative for Organic Field-Effect Transistor Fabrication. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 4269-4273.	0.9	7
59	Synthesis and Photophysical Properties of Two-Photon Absorbing Spirofluorene Derivatives. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 4403-4408.	0.9	3
60	Quantum dots (QDs) for photonic applications. <i>Optical Materials Express</i> , 2012, 2, 578.	3.0	50
61	Solution processable and photopatternable blue, green and red quantum dots suitable for full color displays devices. <i>Optical Materials Express</i> , 2012, 2, 519.	3.0	19
62	Feature issue introduction: quantum dots for photonic applications. <i>Optical Materials Express</i> , 2012, 2, 682.	3.0	6
63	The impact of charge defects and resonance enhancement on the two-photon absorption activity of spirofluorene and ladder-type pentaphenylene derivatives. <i>Journal of Materials Chemistry</i> , 2012, 22, 185-191.	6.7	7
64	Feature issue introduction: quantum dots for photonic applications. <i>Optics Express</i> , 2012, 20, 10721.	3.4	4
65	Vibrational investigations of new functionalized fullerenes. <i>Synthetic Metals</i> , 2012, 162, 285-290.	3.9	6
66	The effect of processing additive on aggregated fullerene derivatives in bulk-heterojunction polymer solar cells. <i>Organic Electronics</i> , 2012, 13, 570-578.	2.6	23
67	3D Micro-objects Containing Quantum Dots and Metallic Nanoparticles Fabricated by Two-Photon Lithography. , 2012, , .		0
68	Three-dimensionally crossing manifold micro-mixer for fast mixing in a short channel length. <i>Lab on A Chip</i> , 2011, 11, 100-103.	6.0	139
69	Autofocusing method using fluorescence detection for precise two-photon nanofabrication. <i>Optics Express</i> , 2011, 19, 22659.	3.4	34
70	Ultrafast Exciton Dissociation Followed by Nongeminate Charge Recombination in PCDTBT:PCBM Photovoltaic Blends. <i>Journal of the American Chemical Society</i> , 2011, 133, 9469-9479.	13.7	266
71	Electronic excitations of the fullerene- θ -thiophene-derived dyads. <i>Synthetic Metals</i> , 2011, 161, 229-234.	3.9	9
72	Photoelectrochemical cells based on LB films of fullerene- θ -thiophene derived dyads. <i>Synthetic Metals</i> , 2011, 161, 1640-1645.	3.9	8

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73	Organic field effect transistors fabricated using a composite of poly(9-vinylcarbazole) and pentacene precursor. <i>Synthetic Metals</i> , 2011, 161, 2422-2426.	3.9	6
74	Realizing metal and quantum dot containing patterns by two-photon lithography. , 2011, , .		0
75	Solution-processable fullerene derivatives for organic photovoltaics and n-type thin-film transistors. <i>Current Applied Physics</i> , 2011, 11, e44-e48.	2.4	15
76	Synthesis and characterization of dithienylbenzobis(thiadiazole)-based low band-gap polymers for organic electronics. <i>Chemical Communications</i> , 2011, 47, 8931.	4.1	23
77	Selective ablation-assisted two-photon stereolithography for effective nano- and microfabrication. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 103, 1111-1116.	2.3	11
78	Aggregation-enhanced fluorescence in PEGylated phospholipid nanomicelles for in vivo imaging. <i>Biomaterials</i> , 2011, 32, 5880-5888.	11.4	92
79	Synthesis and Properties of a Solution-Processable Truxene Derivative for OLED Devices. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 6916-6919.	0.9	5
80	Degenerate Multi-Photon Properties of Spirofluorene Derivatives. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 6958-6961.	0.9	2
81	Pattern Formation of Silver Nanoparticles in 1D, 2D, and 3D Microstructures Fabricated by a Photo- and Thermal Reduction Method. <i>Advanced Functional Materials</i> , 2010, 20, 2296-2302.	14.9	21
82	Synthesis and characteristics of a solution-processable fullerene derivative for n-type organic field-effect transistors. <i>Thin Solid Films</i> , 2010, 519, 690-693.	1.8	12
83	Increased open-circuit voltage in bulk-heterojunction solar cells using a C60 derivative. <i>Applied Physics Letters</i> , 2010, 97, 193309.	3.3	18
84	Blue Organic Light-Emitting Diodes Based on Solution-Processed Fluorene Derivative. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 6925-6928.	0.9	5
85	Diethynylbenzene-Based Liquid Crystalline Semiconductor for Solution-Processable Organic Thin-Film Transistors. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 6800-6804.	0.9	2
86	3D Stereolithography by Using Two-Photon Photopolymerization. <i>Macromolecular Symposia</i> , 2010, 298, 25-33.	0.7	9
87	Photopatternable Quantum Dots Forming Quasi-Ordered Arrays. <i>Nano Letters</i> , 2010, 10, 2310-2317.	9.1	58
88	Proportional enlargement of movement by using an optically driven multi-link system with an elastic joint. <i>Optics Express</i> , 2010, 18, 13745.	3.4	20
89	Aggregation-enhanced two-photon absorption and up-converted fluorescence of quadrupolar 1,4-bis(cyanostyryl)benzene derivatives showing solvatochromic fluorescence. <i>Journal of Materials Chemistry</i> , 2010, 20, 7422.	6.7	69
90	Water-Soluble Porphyrin-Polyethylene Glycol Conjugates with Enhanced Cellular Uptake for Photodynamic Therapy. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 7130-5.	0.9	9

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91	Hyperbranched polysiloxysilane nanoparticles: Surface charge control of nonviral gene delivery vectors and nanoprobe. <i>International Journal of Pharmaceutics</i> , 2009, 376, 141-152.	5.2	28
92	High-performance n-type organic field-effect transistors fabricated by ink-jet printing using a C60 derivative. <i>Organic Electronics</i> , 2009, 10, 1028-1031.	2.6	27
93	Vibrational spectroscopy as a tool for characterization of oligothiophene-fullerene linked dyads. <i>Chemical Physics Letters</i> , 2009, 479, 224-228.	2.6	18
94	Vibrational properties of two fullerene-thiophene-based dyads. <i>Synthetic Metals</i> , 2009, 159, 2539-2543.	3.9	13
95	Synthesis and Properties of Quantum Dot-Polypyrrole Nanotube Composites for Photovoltaic Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6957-61.	0.9	4
96	Ultrafast Laser-Induced Two-Photon Photopolymerization of SU-8 High-Aspect-Ratio Structures and Nanowire. <i>Journal of the Korean Physical Society</i> , 2009, 54, 215-219.	0.7	4
97	Highly effective three-dimensional large-scale microfabrication using a continuous scanning method. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 541-545.	2.3	31
98	Reversible Fluorescent On-Off Recording in a Highly Transparent Polymeric Material Utilizing Fluorescent Resonance Energy Transfer (FRET) Induced by Heat Treatment. <i>Advanced Functional Materials</i> , 2008, 18, 2869-2879.	14.9	41
99	Investigation of three-dimensional pattern collapse owing to surface tension using an imperfection finite element model. <i>Microelectronic Engineering</i> , 2008, 85, 432-439.	2.4	27
100	Advances in 3D nano/microfabrication using two-photon initiated polymerization. <i>Progress in Polymer Science</i> , 2008, 33, 631-681.	24.7	409
101	Net Shape Manufacturing of Three-Dimensional SiCN Ceramic Microstructures Using an Isotropic Shrinkage Method by Introducing Shrinkage Guiders. <i>International Journal of Applied Ceramic Technology</i> , 2008, 5, 258-264.	2.1	24
102	Robust Microstructures Using UV Photopatternable Semiconductor Nanocrystals. <i>Nano Letters</i> , 2008, 8, 3262-3265.	9.1	62
103	Efficiently Site-Isolated Two-Photon Absorbing Dendrimer with Stilbazolium Chromophore. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 491, 183-193.	0.9	1
104	Efficient Two-Photon Absorbing Photosensitizers Based on Diazafluorene Moiety for 3-D TPP Fabrication. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 486, 12/[1054]-20/[1062].	0.9	0
105	Fluorescence Enhancement of Ruthenium Complex on Silver Using Different Chain Length Carboxylic Acid Terminated Thiols: Distance and Metal Concentration Study. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 4747-4751.	0.9	3
106	Enhanced Emission and Two-Photon Absorption Cross-Section by Nanoaggregation of a Cyano-Substituted Stilbene Derivative. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 4793-4796.	0.9	10
107	Ultraprecise microreproduction of a three-dimensional artistic sculpture by multipath scanning method in two-photon photopolymerization. <i>Applied Physics Letters</i> , 2007, 90, 013113.	3.3	54
108	TWO-PHOTON STEREO LITHOGRAPHY. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2007, 16, 59-73.	1.8	23

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109	Photodetection and Photovoltaic Properties of Polymer Composite Materials Based on Pentacene and Carbon Nanotube. LEOS Summer Topical Meeting, 2007, , .	0.0	0
110	Nano Woodpile Structure via Two Photon Absorption Polymerization. , 2007, , .		0
111	Adaptive bonding technique for precise assembly of three-dimensional microstructures. Applied Physics Letters, 2007, 90, 233109.	3.3	8
112	Effective fabrication of three-dimensional nano/microstructures in a single step using multilayered stamp. Applied Physics Letters, 2006, 88, 203105.	3.3	28
113	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
114	Improvement of Spatial Resolution in Two-Photon Stereolithography. , 2006, , .		2
115	Effect of Dimer Formation on the Growth Cessation of Polar Organic Crystals. Crystal Growth and Design, 2006, 6, 2011-2020.	3.0	5
116	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
117	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
118	Direct laser patterning on opaque substrate in two-photon polymerization. Macromolecular Research, 2006, 14, 245-250.	2.4	13
119	Improvement of spatial resolution in nano-stereolithography using radical quencher. Macromolecular Research, 2006, 14, 559-564.	2.4	60
120	Growth of highly nonlinear optical organic crystal, 3-methyl-4-methoxy-4'-nitrostilbene (MMONS). Journal of Crystal Growth, 2005, 277, 509-517.	1.5	32
121	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
122	Subregional slicing method to increase three-dimensional nanofabrication efficiency in two-photon polymerization. Applied Physics Letters, 2005, 87, 154108.	3.3	67
123	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
124	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
125	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
126	Lithographic Microfabrication by Using Two-Photon Absorbing Phenylenevinylene Derivative. Molecular Crystals and Liquid Crystals, 2004, 424, 35-41.	0.9	14

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127	Shape precompensation in two-photon laser nanowriting of photonic lattices. <i>Applied Physics Letters</i> , 2004, 85, 3708-3710.	3.3	85
128	Multibranching and dendritic organic materials with high two-photon absorption activity. , 2004, 5621, 1.		4
129	Recent Progress of Lithographic Microfabrication by the TPA-Induced Photopolymerization. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2004, 17, 385-392.	0.3	15
130	Synthesis and linear/nonlinear optical properties of new polyamides with DANS chromophore and silphenylene groups. <i>Optical Materials</i> , 2003, 21, 87-92.	3.6	8
131	Large two-beam coupling effect in poly(methylmethacrylate) doped with hemicyanine dye. <i>Optical Materials</i> , 2003, 21, 379-383.	3.6	6
132	Scaling laws of voxels in two-photon photopolymerization nanofabrication. <i>Applied Physics Letters</i> , 2003, 83, 1104-1106.	3.3	178
133	Novel bent-shaped liquid crystalline compounds: 1. Synthesis and structure analysis of dimesogenic compounds with azo units. <i>Optical Materials</i> , 2003, 21, 685-689.	3.6	18
134	Optical power limiting properties of two-photon absorbing fluorene and dithienothiophene-based chromophores. , 2003, , .		6
135	Two-Photon Absorption Cross Sections of Dithienothiophene-Based Molecules. <i>ETRI Journal</i> , 2002, 24, 221-225.	2.0	6
136	Bipolar behavior revealed by D- π -D chromophores bearing dithienothiophene (DTT) as π -center in redox- and LE properties. <i>Chemical Physics Letters</i> , 2002, 364, 432-437.	2.6	9
137	Nonlinear optical properties of a processable polyimide having azo-dye functionalized with cyanosulfonyl group. <i>Synthetic Metals</i> , 2001, 117, 307-309.	3.9	13
138	NLO activities of novel sol-gel processed systems with three different bonding direction. <i>Synthetic Metals</i> , 2001, 117, 311-313.	3.9	10
139	Photochromism of Liquid Crystalline Polymers with Spiropyran Derivatives. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 370, 131-134.	0.3	3
140	Synthesis and Characterization of Hyperbranched Polymer for Second-Order Nonlinear Optics. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 371, 341-344.	0.3	5
141	Fluorene-Based Organic Molecule with High Two-Photon Absorption Activities. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 370, 155-159.	0.3	4
142	Theoretical Two-Photon Absorption Cross-Sections of Dithienothiophene-Based Molecules. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 370, 173-176.	0.3	0
143	Synthesis and Characterization of Photorefractive Polymer containing Multifunctional Chromophore. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 370, 151-154.	0.3	0
144	Organic-Inorganic Hybrid Material for Electro-Optic Modulator. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 371, 337-340.	0.3	5

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145	Thermal conversion of t -butyloxycarbonyloxy attached polyamides to polybenzoxazoles. Polymer Bulletin, 2000, 44, 55-62.	3.3	23
146	A Nonlinear Optical Polyurethane Functionalized with a Heteroaromatic Thiophene Ring Having a Tricyanovinyl Group. Polymer Journal, 2000, 32, 8-14.	2.7	47
147	New Class of Two-Photon-Absorbing Chromophores Based on Dithienothiophene. Chemistry of Materials, 2000, 12, 284-286.	6.7	314
148	Organic-Inorganic Hybrid Materials for Nonlinear Optics Applications. Molecular Crystals and Liquid Crystals, 2000, 353, 525-537.	0.3	5
149	Mach-Zehnder electro-optic modulator based on organic-silica sol-gel hybrid films. Electronics Letters, 1999, 35, 1770.	1.0	6
150	A new NLO polyurethane with a tricyanovinyl group. Synthetic Metals, 1999, 101, 136-137.	3.9	11
151	An Alternate Synthetic Approach for Soluble Nonlinear Optical Polyimides. Chemistry of Materials, 1999, 11, 218-226.	6.7	33
152	Synthesis and optical properties of polyurethanes containing a highly NLO active chromophore. Macromolecular Chemistry and Physics, 1998, 199, 1427-1433.	2.2	34
153	Highly efficient and thermally stable second-order nonlinear optical polymers. Macromolecular Symposia, 1997, 118, 519-525.	0.7	6
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