Takashi Sagawa

List of Publications by Year in Descending Order

184 papers	3,033 citations	31 h-index	48 g-index
210 ext. papers	3,309 ext. citations	3.3 avg, IF	5.16 L-index

#	Paper	IF	Citations
184	Tunable Light Emission from Lignin: Various Photoluminescence Properties Controlled by the Lignocellulosic Species, Extraction Method, Solvent, and Polymer.. *ACS Omega*, **2022**, 7, 5096-5103	3.9	1
183	Low-temperature processable Sn-doped ZnO films as electron transporting layers for perovskite solar cells. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 27279	2.1	1
182	Chirality Induction to CdSe Nanocrystals Self-Organized on Silica Nanohelices: Tuning Chiroptical Properties. *ACS Nano*, **2021**, 15, 16411-16421	16.7	3
181	Chiral optical scattering from helical and twisted silica nanoribbons. *Chemical Communications*, **2021**, 57, 12024-12027	5.8	1
180	Concentrated-Polymer-Brush-Modified Silica Nanoparticles Self-Assembled in Ionic Liquid Containing Iodide/Triiodide (I⁻/I$_3^-$) Redox System as Quasi-Solid Electrolytes for Dye-Sensitized Solar Cells. *ACS Applied Nano Materials*, **2021**, 4, 6620-6628	5.6	1
179	The effect of water on colloidal quantum dot solar cells. *Nature Communications*, **2021**, 12, 4381	17.4	12
178	Mode-selective excitation of an infrared-inactive phonon mode in diamond using mid-infrared free electron laser. *Japanese Journal of Applied Physics*, **2021**, 60, 102001	1.4	0
177	Electrospun Ag-TiO Nanofibers for Photocatalytic Glucose Conversion to High-Value Chemicals. *ACS Omega*, **2020**, 5, 5862-5872	3.9	19
176	Chiral stacking of cyanine or porphyrin as cationic fluorescent dyes in the presence of anionic polysaccharide of hyaluronic acid. *SN Applied Sciences*, **2020**, 2, 1	1.8	1
175	Quantum dot-modified titanium dioxide nanoparticles as an energy-band tunable electron-transporting layer for open air-fabricated planar perovskite solar cells. *Nanomaterials and Nanotechnology*, **2020**, 10, 184798042096163	2.9	4
174	(Invited) Nanostructured Metal Sulfides for Solar Cells to Improve the Photovoltaic Performance. *ECS Meeting Abstracts*, **2020**, MA2020-01, 879-879	0	
173	Two-photon selective excitation of phonon-mode in diamond using mid-infrared free-electron laser. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126223	2.3	4
172	Fluctuations in Intracellular CheY-P Concentration Coordinate Reversals of Flagellar Motors in. *Biomolecules*, **2020**, 10,	5.9	4
171	Synergistic Effects of Co-Doping on Photocatalytic Activity of Titanium Dioxide on Glucose Conversion to Value-Added Chemicals. *ACS Omega*, **2020**, 5, 20373-20381	3.9	7
170	Optically Active Perovskite CsPbBr Nanocrystals Helically Arranged on Inorganic Silica Nanohelices. *Nano Letters*, **2020**, 20, 8453-8460	11.5	26
169	Influence of binary additives into the solvent for preparation of polymer and fullerene bulk heterojunction solar cells by convective deposition method. *Organic Electronics*, **2019**, 73, 18-25	3.5	3
168	Finely Interpenetrating Bulk Heterojunction Structure for Lead Sulfide Colloidal Quantum Dot Solar Cells by Convective Assembly. *ACS Energy Letters*, **2019**, 4, 960-967	20.1	22

167	Investigation of multiple-dynein transport of melanosomes by non-invasive force measurement using fluctuation unit *Scientific Reports*, **2019**, 9, 5099	4.9	5
166	Supramolecular Web and Application for Chiroptical Functionalization of Polymer **2019**, 297-337		0
165	Improved photovoltaic performance and device stability of planar heterojunction perovskite solar cells using TiO2 and TiO2 mixed with AgInS2 quantum dots as dual electron transport layers. *Organic Electronics*, **2019**, 69, 26-33	3.5	7
164	Nb-doped TiO2 Thin Films Prepared through TiCl4 Treatment for Improvement of Their Carrier Transport Property. *MRS Advances*, **2019**, 4, 2665-2671	0.7	
163	Effects of Sn Incorporation in ZnO Thin Films on Properties of Perovskite Solar Cells. *IOP Conference Series: Materials Science and Engineering*, **2019**, 526, 012018	0.4	1
162	Enhanced crystal formation of methylammonium lead iodide via self-assembled monolayers and their solvation for perovskite solar cells. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 939-949	2.1	8
161	Silver Indium Sulfide quantum dots in titanium dioxide as electron transport layer for highly efficient and stable perovskite solar cells. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 4041-4055	2.1	3
160	Improvement of photovoltaic performance of polymer and fullerene based bulk heterojunction solar cells prepared by the combination of directional solidification and convective deposition techniques. *Organic Electronics*, **2018**, 56, 16-26	3.5	6
159	Conversion of CO2 to useful substances with composite iron, nickel, and copper catalysts. *Journal of Zhejiang University: Science A*, **2018**, 19, 80-85	2.1	0
158	Amplified polarization properties of electrospun nanofibers containing fluorescent dyes and helical polymer. *Photochemical and Photobiological Sciences*, **2018**, 17, 342-351	4.2	9
157	Non-invasive force measurement reveals the number of active kinesins on a synaptic vesicle precursor in axonal transport regulated by ARL-8. *Physical Chemistry Chemical Physics*, **2018**, 20, 3403-3410	3.6	13
156	Highly Efficient Fluorescence Resonance Energy Transfer in Electrospun Nanofibers Containing Pyrene and Porphyrin. *Chemistry Letters*, **2018**, 47, 794-796	1.7	1
155	Dopant-free conjugated polymers as hole-transporting materials for stable perovskite solar cells. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 9058-9066	2.1	5
154	(Invited)Improved Interfaces in Multilayered Organic-Inorganic Hybrid Solar Cells with Conjugated Polymers-Antimony Sulfide-Strontium Titanate-Titanium Oxide. *ECS Transactions*, **2018**, 85, 551-555	1	
153	TiO2/Lignin-Based Carbon Composited Photocatalysts for Enhanced Photocatalytic Conversion of Lignin to High Value Chemicals. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 13968-13976	8.3	50
152	Influence of the viscosity ratio of polyacrylonitrile/poly(methyl methacrylate) solutions on core shell fibers prepared by coaxial electrospinning. *Polymer Journal*, **2017**, 49, 497-502	2.7	19
151	Stability Improvement of Photovoltaic Performance in Antimony Sulfide-Based Hybrid Solar Cells. *ECS Journal of Solid State Science and Technology*, **2017**, 6, Q35-Q38	2	
150	Full coverage of perovskite layer onto ZnO nanorods via a modified sequential two-step deposition method for efficiency enhancement in perovskite solar cells. *Applied Surface Science*, **2017**, 410, 393-400	6.7	37

149	Effect of Crystallizable Solvent on Phase Separation and Charge Transport in Polymer-fullerene Films. *IOP Conference Series: Materials Science and Engineering*, **2017**, 229, 012015	0.4	1
148	Mode-selective phonon excitation in gallium nitride using mid-infrared free-electron laser. *Japanese Journal of Applied Physics*, **2017**, 56, 022701	1.4	3
147	Ag□h2nS quantum dots for hybrid organic□norganic solar cells. *Japanese Journal of Applied Physics*, **2016**, 55, 02BF06	1.4	3
146	Influence of surface modification with D205 dye on charge dynamics of hybrid ZnO nanorods/polymer solar cells. *Integrated Ferroelectrics*, **2016**, 175, 113-119	0.8	5
145	Ligand Effect of Zinc Oxide Nanoparticles on Photovoltaic Performance of Polymer Hybrid Solar Cells. *ECS Journal of Solid State Science and Technology*, **2016**, 5, Q145-Q148	2	
144	Specific excitonic interactions in the aggregates of hyaluronic acid and cyanine dyes with different lengths of methine group. *Photochemical and Photobiological Sciences*, **2016**, 15, 329-33	4.2	6
143	Reappraising the validity of poly(3-hexylthiophene) nanostructures in interdigitated bilayer organic solar cells. *Solar Energy Materials and Solar Cells*, **2016**, 147, 68-74	6.4	2
142	Improvement of device performance by using zinc oxide in hybrid organic□norganic solar cells. *Japanese Journal of Applied Physics*, **2016**, 55, 02BF07	1.4	
141	Modeling of optimum size and shape for high photovoltaic performance of poly(3-hexylthiophene) nanopore in interdigitated bilayer organic solar cells. *Organic Electronics*, **2016**, 28, 59-66	3.5	7
140	(Invited) Long Term Stability of Antimony Sulfide-Based Hybrid Solar Cells. *ECS Transactions*, **2016**, 72, 1-8	1	
139	Control of physical properties of carbon nanofibers obtained from coaxial electrospinning of PMMA and PAN with adjustable inner/outer nozzle-ends. *Nanoscale Research Letters*, **2016**, 11, 186	5	45
138	Photocatalytic performance of electrospun CNT/TiO nanofibers in a simulated air purifier under visible light irradiation. *Environmental Science and Pollution Research*, **2016**, 23, 21395-21406	5.1	28
137	Manipulation of discrete porphyrin□ullerene nanopillar arrays regulated by the phase separated infiltration of polymer in ternary blended organic thin-films. *Solar Energy Materials and Solar Cells*, **2015**, 140, 428-438	6.4	6
136	Control of charge dynamics by blending ZnO nanoparticles with poly(3-hexylthiophene) for efficient hybrid ZnO nanorods/polymer solar cells. *Applied Physics A: Materials Science and Processing*, **2015**, 121, 301-310	2.6	3
135	512 A phase 1 study to assess the safety and tolerability of tremelimumab alone and in combination with MEDI4736 in Japanese patients with advanced solid malignancies. *European Journal of Cancer*, **2015**, 51, S107	7.5	2
134	Electrospun SrTiO3 nanofibers for photocatalytic hydrogen generation. *Journal of Materials Research*, **2014**, 29, 123-130	2.5	17
133	Single-cell E. coli response to an instantaneously applied chemotactic signal. *Biophysical Journal*, **2014**, 107, 730-739	2.9	20
132	Fabrication of efficient organic and hybrid solar cells by fine channel mist spray coating. *Solar Energy Materials and Solar Cells*, **2014**, 127, 111-121	6.4	20

131	Improved performance of hybrid ZnO/polymer solar cell via construction of hierarchical nanostructures and surface modification of ZnO. *Japanese Journal of Applied Physics*, **2014**, 53, 01AB14	1.4	4
130	Application of Electrospun Nanofibers in Organic Photovoltaics. *Nanostructure Science and Technology*, **2014**, 141-162	0.9	
129	Direct imaging of intracellular signaling components that regulate bacterial chemotaxis. *Science Signaling*, **2014**, 7, ra32	8.8	26
128	Piezoelectric MEMS devices and its application as bio-chemical sensors **2013**,		1
127	Thickness dependence of photovoltaic performance of additional spray coated solar cells. *Thin Solid Films*, **2013**, 529, 464-469	2.2	13
126	Effects of the morphology of nanostructured ZnO and interface modification on the device configuration and charge transport of ZnO/polymer hybrid solar cells. *Physical Chemistry Chemical Physics*, **2013**, 15, 9516-22	3.6	30
125	Fast Screening of the Optimal Polymer Ratio for Organic Solar Cells Using a Spray-Coating Deposition Method for the Fullerene Mixture. *Energy Technology*, **2013**, 1, 85-93	3.5	
124	Water-processed self-assembles of monolayers as interface modifier for ZnO/P3HT hybrid solar cells. *Materials Chemistry and Physics*, **2013**, 141, 278-282	4.4	5
123	Electron-Acceptor Nanomaterials Fabricated by Electrospinning for Polymer Solar Cells. *Energy Procedia*, **2013**, 34, 848-853	2.3	1
122	Synthesis and photovoltaic properties of acceptor materials based on the dimerization of fullerene C60 for use in efficient polymer solar cells. *Chemical Communications*, **2013**, 49, 3670-2	5.8	21
121	Fabrication of Strontium Titanate Nanofibers via Electrospinning. *Green Energy and Technology*, **2013**, 141-147	0.6	
120	Fast Screening of the Optimal Polymer Ratio for Organic Solar Cells Using a Spray-Coating Deposition Method for the Fullerene Mixture. *Energy Technology*, **2013**, 1, 85-93	3.5	12
119	A mathematical model for predicting outcome in preterm labour. *Journal of International Medical Research*, **2012**, 40, 1459-66	1.4	4
118	Fabrication of SrTiO3 Nanofibers for Hydrogen Production. *Materials Research Society Symposia Proceedings*, **2012**, 1408, 73		3
117	Highly Efficient Organic Thin-Film Solar Cells Using Nano-Structured Metal Oxides. *Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan*, **2012**, 63, 86	0.1	1
116	Future Power of Plastic Solar Cells for Zero□CO2 Emission Society **2012**, 55-58		
115	Surface Modification of ZnO Nanorods with Small Organic Molecular Dyes for Polymer□horganic Hybrid Solar Cells. *Journal of Physical Chemistry C*, **2011**, 115, 23809-23816	3.8	76
114	Coordinated reversal of flagellar motors on a single Escherichia coli cell. *Biophysical Journal*, **2011**, 100, 2193-200	2.9	33

113	Synthesis of SnS nanoparticles by SILAR method for quantum dot-sensitized solar cells. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 1914-22	1.3	32
112	Material Analysis Laboratory in KU-FEL, Kyoto University. *Energy Procedia*, **2011**, 9, 483-490	2.3	
111	Design of Metal Wires-based Organic Photovoltaic Cells. *Energy Procedia*, **2011**, 9, 553-558	2.3	3
110	Efficient Photoinduced Electron Transfer Using TiO2 Doped Polymer. *Kobunshi Ronbunshu*, **2011**, 68, 307-314	0	
109	Morphological and topographical characterizations in spray coated organic solar cells using an additional solvent spray deposition. *Organic Electronics*, **2011**, 12, 2165-2173	3.5	34
108	Synthesis and photovoltaic properties of thiophene□mide-fused thiophene alternating copolymers with different alkyl side chains. *Journal of Materials Chemistry*, **2011**, 21, 12454		18
107	Noncovalent one-to-one donor-acceptor assembled systems based on porphyrin molecular gels for unusually high electron-transfer efficiency. *Chemistry - A European Journal*, **2011**, 17, 11628-36	4.8	23
106	Modification of the □Framework of [60]fullerene for bulk-heterojunction solar cells. *Chemical Communications*, **2011**, 47, 7335-7	5.8	31
105	Vertically aligned ZnO nanorods doped with lithium for polymer solar cells: defect related photovoltaic properties. *Journal of Materials Chemistry*, **2011**, 21, 9710		48
104	Highly Oriented Donor-Acceptor Molecules within Electrospun Nanofibers. *Molecular Crystals and Liquid Crystals*, **2011**, 539, 40/[380]-44/[384]	0.5	
103	Tuning of Molecular Orientation of Porphyrin Assembly According to Monitoring the Chiroptical Signals. *Molecular Crystals and Liquid Crystals*, **2011**, 539, 63/[403]-67/[407]	0.5	6
102	Informative secondary chiroptics in binary molecular organogel systems for donor□cceptor energy transfer. *Tetrahedron Letters*, **2011**, 52, 4030-4035	2	20
101	Fabrication and Utilization of Titania Nanofibers from Natural Leucoxene Mineral in Photovoltaic Applications. *Japanese Journal of Applied Physics*, **2011**, 50, 01BJ16	1.4	10
100	Wet chemical synthesis and self-assembly of SnS2 nanoparticles on TiO2 for quantum dot-sensitized solar cells. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 3215-21	1.3	13
99	Electrospun TiO2 Nanofibers for Organic-Inorganic Hybrid Photovoltaic Cells. *Materials Research Society Symposia Proceedings*, **2011**, 1359, 127		1
98	Charge Transporting Properties and Output Characteristics in Polythiophene:Fullerene Derivative Solar Cells. *Japanese Journal of Applied Physics*, **2011**, 50, 01BC13	1.4	2
97	Electrospun TiO2 nanowires for hybrid photovoltaic cells. *Journal of Materials Research*, **2011**, 26, 2316-2321	2.3	8
96	Indium Tin Oxide Nanofibers and their Applications for Dye-Sensitized Solar Cells. *ECS Transactions*, **2011**, 41, 223-229	1	3

95	JMR volume 26 issue 2 Cover and Back matter. *Journal of Materials Research*, **2011**, 26, b1-b3	2.5	7
94	One-Dimensional Nanostructure Arrays for Dye-Sensitized Solar Cells. *Journal of Solar Energy Engineering, Transactions of the ASME*, **2011**, 133,	2.3	4
93	Electrospun Polythiophene Nanofibers and Their Applications for Organic Solar Cells. *Materials Research Society Symposia Proceedings*, **2011**, 1303, 69		1
92	Fabrication and Utilization of Titania Nanofibers from Natural Leucoxene Mineral in Photovoltaic Applications. *Japanese Journal of Applied Physics*, **2011**, 50, 01BJ16	1.4	1
91	Fabrication and Characterizations of Poly(3-hexylthiophene) Nanofibers. *Materials Research Society Symposia Proceedings*, **2010**, 1270, 1		3
90	Poly(3-hexylthiophene) Nanofibers Fabricated by Electrospinning and Their Optical Properties. *Materials Research Society Symposia Proceedings*, **2010**, 1270, 1		
89	Highly efficient and switchable electron-transfer system realised by peptide-assisted J-type assembly of porphyrin. *Chemical Communications*, **2010**, 46, 7208-10	5.8	21
88	TiO2 rutile nanorod arrays grown on FTO substrate using amino acid at a low temperature. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 2284-91	1.3	6
87	Versatile chiroptics of peptide-induced assemblies of metalloporphyrins. *Organic and Biomolecular Chemistry*, **2010**, 8, 1344-50	3.9	18
86	Control of self organization in conjugated polymer fibers. *ACS Applied Materials & Interfaces*, **2010**, 2, 2995-7	9.5	15
85	Improvement of Dye-Sensitized Solar Cell Through TiCl[sub 4]-Treated TiO[sub 2] Nanotube Arrays. *Journal of the Electrochemical Society*, **2010**, 157, B354	3.9	35
84	One-Dimensional Nanostructured Semiconducting Materials for Organic Photovoltaics. *Journal of Physical Chemistry Letters*, **2010**, 1, 1020-1025	6.4	64
83	Improvement of Power Conversion Efficiency in Organic Photovoltaics by Slow Cooling in Annealing Treatment. *Applied Physics Express*, **2010**, 3, 122302	2.4	10
82	Controlled emission enhancement and quenching by self-assembly of low molecular weight thiophene derivatives. *Tetrahedron Letters*, **2010**, 51, 4666-4669	2	15
81	Effect of Heat-Treatment on Electron Transport Process in TiO[sub 2] Nanotube Arrays Prepared Through Liquid Phase Deposition for Dye-Sensitized Solar Cells. *Journal of the Electrochemical Society*, **2009**, 156, H803	3.9	6
80	Single mode microwave irradiation to improve the efficiency of polymer solar cell based on poly(3-hexylthiophene) and fullerene derivative. *Applied Physics Letters*, **2009**, 94, 083301	3.4	20
79	Fine-Tuning of TiO2 Nanofibers-Mixed Nanoparticles-Photoelectrode for High Efficient Dye-Sensitized Solar Cells. *ECS Transactions*, **2009**, 16, 21-26	1	5
78	Electrospinning of poly(vinyl pyrrolidone): Effects of solvents on electrospinnability for the fabrication of poly(p-phenylene vinylene) and TiO2 nanofibers. *Journal of Applied Polymer Science*, **2009**, 114, 2777-2791	2.9	72

77	A facile route to TiO2 nanotube arrays for dye-sensitized solar cells. *Journal of Crystal Growth*, **2009**, 311, 757-759	1.6	34
76	Synthesis and Photophysical and Photovoltaic Properties of Porphyrin–Furan and –Thiophene Alternating Copolymers. *Journal of Physical Chemistry C*, **2009**, 113, 10798-10806	3.8	106
75	Effects of Electrode Structure on Photoelectrochemical Properties of ZnO Electrodes Modified with Porphyrin–Fullerene Composite Layers with an Intervening Fullerene Monolayer. *Journal of Physical Chemistry C*, **2009**, 113, 10819-10828	3.8	17
74	Photocatalytic activity for hydrogen evolution of electrospun TiO2 nanofibers. *ACS Applied Materials & Interfaces*, **2009**, 1, 1140-3	9.5	210
73	Chirally self-assembled porphyrin nanowires assisted by L-glutamide-derived lipid for excitation energy transfer. *Organic and Biomolecular Chemistry*, **2009**, 7, 2430-4	3.9	26
72	Self-assembling fullerene derivatives for energy transfer in molecular gel system. *Journal of Physics: Conference Series*, **2009**, 159, 012016	0.3	7
71	Electrochemiluminescence Devices Consisting of ZnO Nanorods Vertically Grown on Substrate. *Chemistry Letters*, **2009**, 38, 742-743	1.7	5
70	Temperature dependence of off-axis tensile creep rupture behavior of a unidirectional carbon/epoxy laminate. *Composites Part A: Applied Science and Manufacturing*, **2008**, 39, 523-539	8.4	17
69	Porphyrin Assembly with Fullerenes for Photovoltaic Applications. *Materials Research Society Symposia Proceedings*, **2008**, 1091, 1		
68	Fabrication and Optical Properties of Electrospun Organic Semiconductor Nanofibers from Blended Polymer Solution. *Materials Research Society Symposia Proceedings*, **2008**, 1091, 1		1
67	Fabrication and Optical Properties of Electrospun Conductive Polymer Nanofibers from Blended Polymer Solution. *Japanese Journal of Applied Physics*, **2008**, 47, 787-793	1.4	32
66	New Physical and Chemical Treatments to Improve the Quantum Efficiency in Polymer Solar Cells. *Materials Research Society Symposia Proceedings*, **2008**, 1091, 1		
65	TiO2 Nanotube Arrays by using ZnO Nanorod Template through Liquid Phase Deposition for Organic- Inorganic Hybrid Photovoltaic Cells. *Materials Research Society Symposia Proceedings*, **2008**, 1113, 1		
64	Efficient dye-sensitized solar cells using electrospun TiO2 nanofibers as a light harvesting layer. *Applied Physics Letters*, **2008**, 93, 033310	3.4	146
63	Ultrafine Electrospun Conducting Polymer Blend Fibers and Their Photoluminescence Properties. *Macromolecular Symposia*, **2008**, 264, 80-89	0.8	13
62	Photovoltaic performance of hybrid solar cell with TiO2 nanotubes arrays fabricated through liquid deposition using ZnO template. *Solar Energy Materials and Solar Cells*, **2008**, 92, 1445-1449	6.4	50
61	Molecular organogel-forming porphyrin derivative with hydrophobic l-glutamide. *Tetrahedron Letters*, **2008**, 49, 3987-3990	2	22
60	Surface Molecularly Imprinted TiO2 Nanoparticle for Photoreduction of Viologen. *Materials Research Society Symposia Proceedings*, **2006**, 945, 1		1

59	Off-axis tensile creep rupture of unidirectional CFRP laminates at elevated temperature. *Composites Part A: Applied Science and Manufacturing*, **2006**, 37, 257-269	8.4	20
58	Self-Assembled Nanofibrillar Aggregates with Amphiphilic and Lipophilic Molecules. *Macromolecular Symposia*, **2006**, 237, 28-38	0.8	13
57	Insertion of Phenylacetylene into Pt(SnMe3)2(PMe2Ph)2. *Organometallics*, **2005**, 24, 1670-1677	3.8	20
56	Self-assembly-based Thermo-responsible Luminescent Organogels of Chromophoric L-glutamide-derived Lipids. *Journal of Materials Research*, **2005**, 20, 2486-2490	2.5	5
55	Self-Assembled Organic Phase for Reversed-Phase HPLC **2005**, 1528-1535		
54	Reversible gelation in cyclohexane of pyrene substituted by dialkyl l-glutamide: photophysics of the self-assembled fibrillar network. *Journal of Molecular Liquids*, **2004**, 111, 73-76	6	31
53	Rate-enhancement of hydrolysis of long-chain amino acid ester by cross-linked polymers imprinted with a transition-state analogue: evaluation of imprinting effect in kinetic analysis. *Analytica Chimica Acta*, **2004**, 504, 37-41	6.6	23
52	Facile Enantiomer Analysis by Combination of N-Dansyl Amino Acid as Diastereomerizer and Molecular-Shape Recognitive RP-HPLC Using Comb-Shaped Polymer-Immobilized Silica. *Journal of Liquid Chromatography and Related Technologies*, **2004**, 27, 2561-2572	1.3	2
51	Photosensitized NADH formation system with multilayer TiO2 film. *Chemical Communications*, **2004** , 814-5	5.8	12
50	Exciton interactions in cyanine dye--hyaluronic acid (HA) complex: reversible and biphasic molecular switching of chromophores induced by random coil-to-double-helix phase transition of HA. *Chemical Communications*, **2004**, 2090-1	5.8	28
49	Insertion of Phenylacetylene into [Pt(GeMe3)(SnMe3)(PMe2Ph)2]. *Bulletin of the Chemical Society of Japan*, **2004**, 77, 1287-1295	5.1	5
48	Dendritic Cyclotriphosphazene Derivative with Hexaxis(alkylazobenzene) Substitution as Photo-sensitive Trigger. *Heterocycles*, **2004**, 63, 1563	0.8	4
47	Photoinduced Reduction of Methylviologen with TiO2/Polymer Films. *Chemistry Letters*, **2003**, 32, 962-963	1.7	4
46	Alkyne Insertion into cis-Silyl(stannyl)platinum(II) Complexes. *Organometallics*, **2003**, 22, 4433-4445	3.8	15
45	Eco-energy Technology : System for Energy-transformation Utilizing Photocatalyst and Electron Mediator. *Shinku/Journal of the Vacuum Society of Japan*, **2003**, 46, 341-346		
44	Ruthenium-catalyzed hydrosilylation of terminal alkynes: stereodivergent synthesis of (E)- and (Z)-alkenylsilanes. *Journal of Organometallic Chemistry*, **2002**, 645, 192-200	2.3	92
43	Preparation of functionally graded oxide glass in molecular scale. *Journal of Materials Science Letters*, **2002**, 21, 1691-1693		2
42	Metal Ion-induced Chirality and Morphology Control of Self-assembling Organogels from L-Glutamic Acid-derived Lipids. *Chemistry Letters*, **2002**, 31, 548-549	1.7	6

41	Synthesis and Reactions of cis-Silyl(boryl)platinum(II) Complexes. *Organometallics*, **2002**, 21, 5879-5886	3.8	50
40	Self-Assembled Fibrillar Networks through Highly Oriented Aggregates of Porphyrin and Pyrene Substituted by Dialkyl l-Glutamine in Organic Media *Langmuir*, **2002**, 18, 7223-7228	4	101
39	Chirality Control of Self-Assembling Organogels from a Lipophilic l-Glutamide Derivative with Metal Chlorides *Langmuir*, **2002**, 18, 7120-7123	4	106
38	Enhanced Molecular-Shape Selectivity for Polyaromatic Hydrocarbons through Isotropic-to-Crystalline Phase Transition of Poly(octadecyl acrylate). *Chemistry Letters*, **2001**, 30, 1252-1253	1.7	37
37	Influence of cross-linking monomer and hydrophobic styrene comonomer on stereoselective esterase activities of polymer catalyst imprinted with a transition-state analogue for hydrolysis of amino acid esters. *Polymer*, **2001**, 42, 2263-2266	3.9	22
36	Shape- and stereo-selective esterase activities of cross-linked polymers imprinted with a transition-state analogue for the hydrolysis of amino acid esters. *Journal of Molecular Catalysis A*, **2001**, 165, 1-7		24
35	Molecular Gradation In Glass By Using High Gravity: A Novel Method For Si-Ti Graded-Glass Preparation **2001**, 159-161		
34	Enhancement of Diastereomer Selectivity Using Highly-Oriented Polymer Stationary Phase. *Chemistry Letters*, **2000**, 29, 128-129	1.7	18
33	Retention versatility of silica-supported comb-shaped crystalline and non-crystalline phases in high-performance liquid chromatography. *Journal of Chromatography A*, **2000**, 877, 71-85	4.5	21
32	Recognition of critical pairs of polycyclic aromatics on crystalline, liquid-crystalline and isotropic regions of silica-supported polymer in HPLC. *Chromatographia*, **2000**, 52, 45-50	2.1	6
31	Mechanisms of C Si and C H Bond Formation on the Reactions of Alkenylruthenium(II) Complexes with Hydrosilanes. *Organometallics*, **2000**, 19, 1308-1318	3.8	60
30	RETENTION BEHAVIORS OF POLYCYCLIC AROMATIC HYDROCARBONS ON COMB-SHAPED POLYMER IMMOBILIZED-SILICA IN RPLC. *Journal of Liquid Chromatography and Related Technologies*, **2000**, 23, 2289-2302	1.3	4
29	Detection of highly oriented aggregation of L-glutamic acid-derived lipids in dilute organic solution. *Liquid Crystals*, **1999**, 26, 1021-1027	2.3	44
28	Crystalline polymer on silica. Geometrical selectivity for azobenzenes through highly-oriented structure. *Polymer*, **1999**, 40, 2555-2560	3.9	53
27	Insertion of Phenylacetylene intocis-Silyl(stannyl)platinum Complexes. *Chemistry Letters*, **1999**, 28, 1307-1308	1.7	12
26	A Novel Versatility of Catalase I as a Dioxygenase for Indole-ring-opening Dioxygenation. *Chemistry Letters*, **1999**, 28, 339-340	1.7	2
25	Detection of Molecular-Shape Recognition for Polycyclic Aromatic Hydrocarbons by Helical Poly(L-Alanine) on Silica. *Chemistry Letters*, **1998**, 27, 963-964	1.7	14
24	Catalytic activity of a novel water-soluble cross-linked polymer imprinted by a transition-state analogue for the stereoselective hydrolysis of enantiomeric amino acid esters. *Polymer*, **1996**, 37, 3993-3995	3.9	33

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