

Takashi Sagawa

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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	Photocatalytic activity for hydrogen evolution of electrospun TiO ₂ nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 1140-3	9.5	210
183	Efficient dye-sensitized solar cells using electrospun TiO ₂ nanofibers as a light harvesting layer. <i>Applied Physics Letters</i> , 2008 , 93, 033310	3.4	146
182	Synthesis and Photophysical and Photovoltaic Properties of Porphyrin π -uran and π -thiophene Alternating Copolymers. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 10798-10806	3.8	106
181	Chirality Control of Self-Assembling Organogels from a Lipophilic L-Glutamide Derivative with Metal Chlorides. <i>Langmuir</i> , 2002 , 18, 7120-7123	4	106
180	Self-Assembled Fibrillar Networks through Highly Oriented Aggregates of Porphyrin and Pyrene Substituted by Dialkyl L-Glutamine in Organic Media. <i>Langmuir</i> , 2002 , 18, 7223-7228	4	101
179	Ruthenium-catalyzed hydrosilylation of terminal alkynes: stereodivergent synthesis of (E)- and (Z)-alkenylsilanes. <i>Journal of Organometallic Chemistry</i> , 2002 , 645, 192-200	2.3	92
178	Surface Modification of ZnO Nanorods with Small Organic Molecular Dyes for Polymer/Inorganic Hybrid Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 23809-23816	3.8	76
177	Electrospinning of poly(vinyl pyrrolidone): Effects of solvents on electrospinnability for the fabrication of poly(p-phenylene vinylene) and TiO ₂ nanofibers. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 2777-2791	2.9	72
176	One-Dimensional Nanostructured Semiconducting Materials for Organic Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 1020-1025	6.4	64
175	Mechanisms of C π -B π and C π -B σ Bond Formation on the Reactions of Alkenylruthenium(II) Complexes with Hydrosilanes. <i>Organometallics</i> , 2000 , 19, 1308-1318	3.8	60
174	Crystalline polymer on silica. Geometrical selectivity for azobenzenes through highly-oriented structure. <i>Polymer</i> , 1999 , 40, 2555-2560	3.9	53
173	Photovoltaic performance of hybrid solar cell with TiO ₂ nanotubes arrays fabricated through liquid deposition using ZnO template. <i>Solar Energy Materials and Solar Cells</i> , 2008 , 92, 1445-1449	6.4	50
172	Synthesis and Reactions of cis-Silyl(boryl)platinum(II) Complexes. <i>Organometallics</i> , 2002 , 21, 5879-5886	3.8	50
171	TiO ₂ /Lignin-Based Carbon Compositated Photocatalysts for Enhanced Photocatalytic Conversion of Lignin to High Value Chemicals. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 13968-13976	8.3	50
170	Vertically aligned ZnO nanorods doped with lithium for polymer solar cells: defect related photovoltaic properties. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9710		48
169	Control of physical properties of carbon nanofibers obtained from coaxial electrospinning of PMMA and PAN with adjustable inner/outer nozzle-ends. <i>Nanoscale Research Letters</i> , 2016 , 11, 186	5	45
168	Detection of highly oriented aggregation of L-glutamic acid-derived lipids in dilute organic solution. <i>Liquid Crystals</i> , 1999 , 26, 1021-1027	2.3	44

167	Full coverage of perovskite layer onto ZnO nanorods via a modified sequential two-step deposition method for efficiency enhancement in perovskite solar cells. <i>Applied Surface Science</i> , 2017 , 410, 393-400	6.7	37
166	Enhanced Molecular-Shape Selectivity for Polyaromatic Hydrocarbons through Isotropic-to-Crystalline Phase Transition of Poly(octadecyl acrylate). <i>Chemistry Letters</i> , 2001 , 30, 1252-1253	1.7	37
165	Improvement of Dye-Sensitized Solar Cell Through TiCl ₄ -Treated TiO ₂ Nanotube Arrays. <i>Journal of the Electrochemical Society</i> , 2010 , 157, B354	3.9	35
164	Homogeneous esterolytic catalysis of a polymer prepared by molecular imprinting of a transition state analogue. <i>Journal of Molecular Catalysis</i> , 1994 , 93, 189-193		35
163	Catalytic activities of novel l-histidyl group-introduced polymers imprinted by a transition state analogue in the hydrolysis of amino acid esters. <i>Journal of Molecular Catalysis A</i> , 1995 , 101, L111-L114		35
162	Morphological and topographical characterizations in spray coated organic solar cells using an additional solvent spray deposition. <i>Organic Electronics</i> , 2011 , 12, 2165-2173	3.5	34
161	A facile route to TiO ₂ nanotube arrays for dye-sensitized solar cells. <i>Journal of Crystal Growth</i> , 2009 , 311, 757-759	1.6	34
160	Coordinated reversal of flagellar motors on a single Escherichia coli cell. <i>Biophysical Journal</i> , 2011 , 100, 2193-200	2.9	33
159	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. <i>Polymer</i> , 1996 , 37, 3993-3995	3.9	33
158	Synthesis of SnS nanoparticles by SILAR method for quantum dot-sensitized solar cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 1914-22	1.3	32
157	Fabrication and Optical Properties of Electrospun Conductive Polymer Nanofibers from Blended Polymer Solution. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 787-793	1.4	32
156	Homogeneous and heterogeneous esterolytic catalyses of imidazole-containing polymers prepared by molecular imprinting of a transition state analogue. <i>Journal of Molecular Catalysis</i> , 1994 , 87, L21-L24		32
155	Modification of the framework of [60]fullerene for bulk-heterojunction solar cells. <i>Chemical Communications</i> , 2011 , 47, 7335-7	5.8	31
154	Reversible gelation in cyclohexane of pyrene substituted by dialkyl l-glutamide: photophysics of the self-assembled fibrillar network. <i>Journal of Molecular Liquids</i> , 2004 , 111, 73-76	6	31
153	Effects of the morphology of nanostructured ZnO and interface modification on the device configuration and charge transport of ZnO/polymer hybrid solar cells. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 9516-22	3.6	30
152	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. <i>Chemical Communications</i> , 2004 , 2090-1	5.8	28
151	Photocatalytic performance of electrospun CNT/TiO nanofibers in a simulated air purifier under visible light irradiation. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 21395-21406	5.1	28
150	Direct imaging of intracellular signaling components that regulate bacterial chemotaxis. <i>Science Signaling</i> , 2014 , 7, ra32	8.8	26

149	Chirally self-assembled porphyrin nanowires assisted by L-glutamide-derived lipid for excitation energy transfer. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 2430-4	3.9	26
148	Optically Active Perovskite CsPbBr Nanocrystals Helically Arranged on Inorganic Silica Nanohelices. <i>Nano Letters</i> , 2020 , 20, 8453-8460	11.5	26
147	Shape- and stereo-selective esterase activities of cross-linked polymers imprinted with a transition-state analogue for the hydrolysis of amino acid esters. <i>Journal of Molecular Catalysis A</i> , 2001 , 165, 1-7		24
146	Noncovalent one-to-one donor-acceptor assembled systems based on porphyrin molecular gels for unusually high electron-transfer efficiency. <i>Chemistry - A European Journal</i> , 2011 , 17, 11628-36	4.8	23
145	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. <i>Analytica Chimica Acta</i> , 2004 , 504, 37-41	6.6	23
144	Finely Interpenetrating Bulk Heterojunction Structure for Lead Sulfide Colloidal Quantum Dot Solar Cells by Convective Assembly. <i>ACS Energy Letters</i> , 2019 , 4, 960-967	20.1	22
143	Molecular organogel-forming porphyrin derivative with hydrophobic l-glutamide. <i>Tetrahedron Letters</i> , 2008 , 49, 3987-3990	2	22
142	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. <i>Polymer</i> , 2001 , 42, 2263-2266	3.9	22
141	Synthesis and photovoltaic properties of acceptor materials based on the dimerization of fullerene C60 for use in efficient polymer solar cells. <i>Chemical Communications</i> , 2013 , 49, 3670-2	5.8	21
140	Highly efficient and switchable electron-transfer system realised by peptide-assisted J-type assembly of porphyrin. <i>Chemical Communications</i> , 2010 , 46, 7208-10	5.8	21
139	Retention versatility of silica-supported comb-shaped crystalline and non-crystalline phases in high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2000 , 877, 71-85	4.5	21
138	Single-cell E. coli response to an instantaneously applied chemotactic signal. <i>Biophysical Journal</i> , 2014 , 107, 730-739	2.9	20
137	Fabrication of efficient organic and hybrid solar cells by fine channel mist spray coating. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 127, 111-121	6.4	20
136	Single mode microwave irradiation to improve the efficiency of polymer solar cell based on poly(3-hexylthiophene) and fullerene derivative. <i>Applied Physics Letters</i> , 2009 , 94, 083301	3.4	20
135	Informative secondary chiroptics in binary molecular organogel systems for donor-acceptor energy transfer. <i>Tetrahedron Letters</i> , 2011 , 52, 4030-4035	2	20
134	Insertion of Phenylacetylene into Pt(SnMe ₃) ₂ (PMe ₂ Ph) ₂ . <i>Organometallics</i> , 2005 , 24, 1670-1677	3.8	20
133	Off-axis tensile creep rupture of unidirectional CFRP laminates at elevated temperature. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006 , 37, 257-269	8.4	20
132	High esterolytic activity of a novel water-soluble polymer catalyst imprinted by a transition-state analogue. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 2143		20

131	Influence of the viscosity ratio of polyacrylonitrile/poly(methyl methacrylate) solutions on core-shell fibers prepared by coaxial electrospinning. <i>Polymer Journal</i> , 2017 , 49, 497-502	2.7	19
130	Electrospun Ag-TiO Nanofibers for Photocatalytic Glucose Conversion to High-Value Chemicals. <i>ACS Omega</i> , 2020 , 5, 5862-5872	3.9	19
129	Synthesis and photovoltaic properties of thiophene-imide-fused thiophene alternating copolymers with different alkyl side chains. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12454		18
128	Versatile chiroptics of peptide-induced assemblies of metalloporphyrins. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 1344-50	3.9	18
127	Enhancement of Diastereomer Selectivity Using Highly-Oriented Polymer Stationary Phase. <i>Chemistry Letters</i> , 2000 , 29, 128-129	1.7	18
126	Electrospun SrTiO ₃ nanofibers for photocatalytic hydrogen generation. <i>Journal of Materials Research</i> , 2014 , 29, 123-130	2.5	17
125	Effects of Electrode Structure on Photoelectrochemical Properties of ZnO Electrodes Modified with Porphyrin- π -Fullerene Composite Layers with an Intervening Fullerene Monolayer. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 10819-10828	3.8	17
124	Temperature dependence of off-axis tensile creep rupture behavior of a unidirectional carbon/epoxy laminate. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008 , 39, 523-539	8.4	17
123	Catalytic and stereoselective activities of manganese achiral and chiral porphyrins in dioxygenation of tryptophan derivatives. <i>Inorganic Chemistry</i> , 1992 , 31, 2682-2688	5.1	17
122	Control of self organization in conjugated polymer fibers. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 2995-7	9.5	15
121	Controlled emission enhancement and quenching by self-assembly of low molecular weight thiophene derivatives. <i>Tetrahedron Letters</i> , 2010 , 51, 4666-4669	2	15
120	Alkyne Insertion into cis-Silyl(stannyl)platinum(II) Complexes. <i>Organometallics</i> , 2003 , 22, 4433-4445	3.8	15
119	Detection of Molecular-Shape Recognition for Polycyclic Aromatic Hydrocarbons by π -Helical Poly(L-Alanine) on Silica. <i>Chemistry Letters</i> , 1998 , 27, 963-964	1.7	14
118	Non-invasive force measurement reveals the number of active kinesins on a synaptic vesicle precursor in axonal transport regulated by ARL-8. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 3403-3410	3.6	13
117	Thickness dependence of photovoltaic performance of additional spray coated solar cells. <i>Thin Solid Films</i> , 2013 , 529, 464-469	2.2	13
116	Wet chemical synthesis and self-assembly of SnS ₂ nanoparticles on TiO ₂ for quantum dot-sensitized solar cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 3215-21	1.3	13
115	Ultrafine Electrospun Conducting Polymer Blend Fibers and Their Photoluminescence Properties. <i>Macromolecular Symposia</i> , 2008 , 264, 80-89	0.8	13
114	Self-Assembled Nanofibrillar Aggregates with Amphiphilic and Lipophilic Molecules. <i>Macromolecular Symposia</i> , 2006 , 237, 28-38	0.8	13

113	Photosensitized NADH formation system with multilayer TiO ₂ film. <i>Chemical Communications</i> , 2004 , 814-5	5.8	12
112	Insertion of Phenylacetylene into cis-Silyl(stannyl)platinum Complexes. <i>Chemistry Letters</i> , 1999 , 28, 1307-1308	1.7	12
111	The effect of water on colloidal quantum dot solar cells. <i>Nature Communications</i> , 2021 , 12, 4381	17.4	12
110	Fast Screening of the Optimal Polymer Ratio for Organic Solar Cells Using a Spray-Coating Deposition Method for the Fullerene Mixture. <i>Energy Technology</i> , 2013 , 1, 85-93	3.5	12
109	Fabrication and Utilization of Titania Nanofibers from Natural Leucoxene Mineral in Photovoltaic Applications. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 01BJ16	1.4	10
108	Improvement of Power Conversion Efficiency in Organic Photovoltaics by Slow Cooling in Annealing Treatment. <i>Applied Physics Express</i> , 2010 , 3, 122302	2.4	10
107	Amplified polarization properties of electrospun nanofibers containing fluorescent dyes and helical polymer. <i>Photochemical and Photobiological Sciences</i> , 2018 , 17, 342-351	4.2	9
106	Stereoselective dioxygenation of a racemic tryptophan derivative catalysed by chiral manganese porphyrins. <i>Journal of the Chemical Society Chemical Communications</i> , 1989 , 352		9
105	Electrospun TiO ₂ nanowires for hybrid photovoltaic cells. <i>Journal of Materials Research</i> , 2011 , 26, 2316-2321	2.3	8
104	Enhanced crystal formation of methylammonium lead iodide via self-assembled monolayers and their solvation for perovskite solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 939-949	2.1	8
103	Modeling of optimum size and shape for high photovoltaic performance of poly(3-hexylthiophene) nanopore in interdigitated bilayer organic solar cells. <i>Organic Electronics</i> , 2016 , 28, 59-66	3.5	7
102	JMR volume 26 issue 2 Cover and Back matter. <i>Journal of Materials Research</i> , 2011 , 26, b1-b3	2.5	7
101	Self-assembling fullerene derivatives for energy transfer in molecular gel system. <i>Journal of Physics: Conference Series</i> , 2009 , 159, 012016	0.3	7
100	Stereoselective Dioxygenolysis of a Tryptophan Derivative Catalyzed by a Manganese Porphyrin Bound to Bovine Serum Albumin. <i>Chemistry Letters</i> , 1991 , 20, 2083-2086	1.7	7
99	Stereoselective dioxygenation of a tryptophan derivative catalyzed by a manganese porphyrin included in bovine serum albumin. <i>Journal of Molecular Catalysis</i> , 1989 , 53, L5-L7		7
98	Ring-opening dioxygenation of 3,5-Di- <i>t</i> -butylcatechol by FeCl ₂ /monodentate ligand/bidentate ligand systems. <i>Journal of Molecular Catalysis</i> , 1990 , 62, 107-117		7
97	Synergistic Effects of Co-Doping on Photocatalytic Activity of Titanium Dioxide on Glucose Conversion to Value-Added Chemicals. <i>ACS Omega</i> , 2020 , 5, 20373-20381	3.9	7
96	Improved photovoltaic performance and device stability of planar heterojunction perovskite solar cells using TiO ₂ and TiO ₂ mixed with AgInS ₂ quantum dots as dual electron transport layers. <i>Organic Electronics</i> , 2019 , 69, 26-33	3.5	7

95	Manipulation of discrete porphyrin fullerene nanopillar arrays regulated by the phase separated infiltration of polymer in ternary blended organic thin-films. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 140, 428-438	6.4	6
94	Improvement of photovoltaic performance of polymer and fullerene based bulk heterojunction solar cells prepared by the combination of directional solidification and convective deposition techniques. <i>Organic Electronics</i> , 2018 , 56, 16-26	3.5	6
93	Specific excitonic interactions in the aggregates of hyaluronic acid and cyanine dyes with different lengths of methine group. <i>Photochemical and Photobiological Sciences</i> , 2016 , 15, 329-33	4.2	6
92	TiO ₂ rutile nanorod arrays grown on FTO substrate using amino acid at a low temperature. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 2284-91	1.3	6
91	Tuning of Molecular Orientation of Porphyrin Assembly According to Monitoring the Chiroptical Signals. <i>Molecular Crystals and Liquid Crystals</i> , 2011 , 539, 63/[403]-67/[407]	0.5	6
90	Effect of Heat-Treatment on Electron Transport Process in TiO ₂ Nanotube Arrays Prepared Through Liquid Phase Deposition for Dye-Sensitized Solar Cells. <i>Journal of the Electrochemical Society</i> , 2009 , 156, H803	3.9	6
89	Metal Ion-induced Chirality and Morphology Control of Self-assembling Organogels from L-Glutamic Acid-derived Lipids. <i>Chemistry Letters</i> , 2002 , 31, 548-549	1.7	6
88	Recognition of critical pairs of polycyclic aromatics on crystalline, liquid-crystalline and isotropic regions of silica-supported polymer in HPLC. <i>Chromatographia</i> , 2000 , 52, 45-50	2.1	6
87	The role of the membrane-assisted hydrophobic interaction between di-, tri-, or tetrapeptide catalysts and amino acid esters for the enhancement of stereoselective hydrolysis reactions. <i>Macromolecular Rapid Communications</i> , 1996 , 17, 109-116	4.8	6
86	Enzymatic tryptophan 2,3-dioxygenase-like activity of a manganese porphyrin bound to bovine serum albumin modified with poly(ethylene glycol). <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993 , 1		6
85	The Catalytic Activities of IgG and IgM Monoclonal Antibodies for the Hydrolysis of p-Nitrophenyl Acetate. <i>Chemistry Letters</i> , 1993 , 22, 1075-1078	1.7	6
84	Esterase activity of catalytic IgG and IgM antibodies for the hydrolysis of p-nitrophenyl acetate. <i>Journal of Molecular Catalysis</i> , 1994 , 90, 355-365		6
83	Mechanisms of neutralization of endotoxin by monoclonal antibodies to O and R determinants of lipopolysaccharide. <i>Advances in Experimental Medicine and Biology</i> , 1990 , 256, 341-4	3.6	6
82	Investigation of multiple-dynein transport of melanosomes by non-invasive force measurement using fluctuation unit. <i>Scientific Reports</i> , 2019 , 9, 5099	4.9	5
81	Dopant-free π -conjugated polymers as hole-transporting materials for stable perovskite solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 9058-9066	2.1	5
80	Influence of surface modification with D205 dye on charge dynamics of hybrid ZnO nanorods/polymer solar cells. <i>Integrated Ferroelectrics</i> , 2016 , 175, 113-119	0.8	5
79	Water-processed self-assembles of monolayers as interface modifier for ZnO/P3HT hybrid solar cells. <i>Materials Chemistry and Physics</i> , 2013 , 141, 278-282	4.4	5
78	Fine-Tuning of TiO ₂ Nanofibers-Mixed Nanoparticles-Photoelectrode for High Efficient Dye-Sensitized Solar Cells. <i>ECS Transactions</i> , 2009 , 16, 21-26	1	5

77	Electrochemiluminescence Devices Consisting of ZnO Nanorods Vertically Grown on Substrate. <i>Chemistry Letters</i> , 2009 , 38, 742-743	1.7	5
76	Insertion of Phenylacetylene into [Pt(GeMe ₃)(SnMe ₃)(PMe ₂ Ph) ₂]. <i>Bulletin of the Chemical Society of Japan</i> , 2004 , 77, 1287-1295	5.1	5
75	Self-assembly-based Thermo-responsive Luminescent Organogels of Chromophoric L-glutamide-derived Lipids. <i>Journal of Materials Research</i> , 2005 , 20, 2486-2490	2.5	5
74	Novel stereoselective incorporation and hydrolysis of long-chain amino-acid substrates by vesicular membrane systems which include tri- or tetra-peptide catalysts. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1995 , 2957		5
73	Tryptophan 2,3-dioxygenase-like Activity of Monoclonal Antibody Anchored by a Manganese(III) Porphyrin Complex. <i>Chemistry Letters</i> , 1993 , 22, 61-64	1.7	5
72	Improved performance of hybrid ZnO/polymer solar cell via construction of hierarchical nanostructures and surface modification of ZnO. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 01AB14	1.4	4
71	One-Dimensional Nanostructure Arrays for Dye-Sensitized Solar Cells. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2011 , 133,	2.3	4
70	A mathematical model for predicting outcome in preterm labour. <i>Journal of International Medical Research</i> , 2012 , 40, 1459-66	1.4	4
69	Photoinduced Reduction of Methylviologen with TiO ₂ /Polymer Films. <i>Chemistry Letters</i> , 2003 , 32, 962-963		4
68	Dendritic Cyclotriphosphazene Derivative with Hexaxis(alkylazobenzene) Substitution as Photo-sensitive Trigger. <i>Heterocycles</i> , 2004 , 63, 1563	0.8	4
67	RETENTION BEHAVIORS OF POLYCYCLIC AROMATIC HYDROCARBONS ON COMB-SHAPED POLYMER IMMOBILIZED-SILICA IN RPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2000 , 23, 2289-2302	1.3	4
66	Tryptophan dioxygenase-like catalysis of achiral and chiral manganese(II) porphyrins for dioxygen-inserted indole-ring opening reactions. <i>Journal of Molecular Catalysis A</i> , 1996 , 113, 269-281		4
65	Tryptophan 2,3-dioxygenase-like activity of manganese (III) porphyrin bound to bovine serum albumin modified with poly(ethylene glycol). <i>Journal of Molecular Catalysis</i> , 1993 , 81, L13-L17		4
64	Quantum dot-modified titanium dioxide nanoparticles as an energy-band tunable electron-transporting layer for open air-fabricated planar perovskite solar cells. <i>Nanomaterials and Nanotechnology</i> , 2020 , 10, 184798042096163	2.9	4
63	Two-photon selective excitation of phonon-mode in diamond using mid-infrared free-electron laser. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020 , 384, 126223	2.3	4
62	Fluctuations in Intracellular CheY-P Concentration Coordinate Reversals of Flagellar Motors in. <i>Biomolecules</i> , 2020 , 10,	5.9	4
61	Influence of binary additives into the solvent for preparation of polymer and fullerene bulk heterojunction solar cells by convective deposition method. <i>Organic Electronics</i> , 2019 , 73, 18-25	3.5	3
60	Control of charge dynamics by blending ZnO nanoparticles with poly(3-hexylthiophene) for efficient hybrid ZnO nanorods/polymer solar cells. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 121, 301-310	2.6	3

59	AgInZnS quantum dots for hybrid organic/inorganic solar cells. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 02BF06	1.4	3
58	Mode-selective phonon excitation in gallium nitride using mid-infrared free-electron laser. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 022701	1.4	3
57	Design of Metal Wires-based Organic Photovoltaic Cells. <i>Energy Procedia</i> , 2011 , 9, 553-558	2.3	3
56	Fabrication and Characterizations of Poly(3-hexylthiophene) Nanofibers. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1270, 1		3
55	Indium Tin Oxide Nanofibers and their Applications for Dye-Sensitized Solar Cells. <i>ECS Transactions</i> , 2011 , 41, 223-229	1	3
54	Fabrication of SrTiO ₃ Nanofibers for Hydrogen Production. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1408, 73		3
53	Chirality Induction to CdSe Nanocrystals Self-Organized on Silica Nanohelices: Tuning Chiroptical Properties. <i>ACS Nano</i> , 2021 , 15, 16411-16421	16.7	3
52	Silver/Indium Sulfide quantum dots in titanium dioxide as electron transport layer for highly efficient and stable perovskite solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 4041-4055	2.1	3
51	Reappraising the validity of poly(3-hexylthiophene) nanostructures in interdigitated bilayer organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 147, 68-74	6.4	2
50	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. <i>European Journal of Cancer</i> , 2015 , 51, S107	7.5	2
49	Charge Transporting Properties and Output Characteristics in Polythiophene:Fullerene Derivative Solar Cells. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 01BC13	1.4	2
48	Facile Enantiomer Analysis by Combination of N-Dansyl Amino Acid as Diastereomerizer and Molecular-Shape Recognitive RP-HPLC Using Comb-Shaped Polymer-Immobilized Silica. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2004 , 27, 2561-2572	1.3	2
47	Preparation of functionally graded oxide glass in molecular scale. <i>Journal of Materials Science Letters</i> , 2002 , 21, 1691-1693		2
46	A Novel Versatility of Catalase I as a Dioxygenase for Indole-ring-opening Dioxygenation. <i>Chemistry Letters</i> , 1999 , 28, 339-340	1.7	2
45	TRYPTOPHAN 2,3-DIOXYGENASE MODEL RING-OPENING DIOXYGENOLYSIS OF 3-METHYLINDOLE CATALYZED BY MI OR II (M = Cu, Mn, Fe, OR Co) WITH MONODENTATE LIGAND OR BIDENTATE LIGAND SYSTEMS. <i>Journal of Coordination Chemistry</i> , 1994 , 33, 39-50	1.6	2
44	Novel stereoselective monoamine oxidase reaction of chiral iron (III) porphyrins (a cytochrome P-450 model) and enantiomeric amines. <i>Journal of Molecular Catalysis</i> , 1993 , 85, L7-L11		2
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