

Takuji Ogawa

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194
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ext. citations

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L-index

#	Paper	IF	Citations
173	"N-Confused Porphyrin": A New Isomer of Tetraphenylporphyrin. <i>Journal of the American Chemical Society</i> , 1994 , 116, 767-768	16.4	551
172	N-Confused Tetraphenylporphyrin Silver(III) Complex. <i>Inorganic Chemistry</i> , 1999 , 38, 2676-2682	5.1	173
171	N-Fused Porphyrin from N-Confused Porphyrin. <i>Journal of the American Chemical Society</i> , 1999 , 121, 2945-2946	16.4	149
170	Photochemical synthesis of pentacene and its derivatives. <i>Chemistry - A European Journal</i> , 2005 , 11, 6212-20	4.20	132
169	N-Fused Porphyrin A New Tetrapyrrolic Porphyrinoid with a Fused Tri-pentacyclic Ring. <i>Journal of the American Chemical Society</i> , 2000 , 122, 5748-5757	16.4	128
168	Completely Regioselective Synthesis of Directly Linked meso,meso and meso, Porphyrin Dimers by One-Pot Electrochemical Oxidation of Metalloporphyrins. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 176-179	16.4	112
167	N-confused double-decker porphyrins. <i>Inorganic Chemistry</i> , 2000 , 39, 5424-5	5.1	95
166	Prospects and Problems of Single Molecule Information Devices. <i>Japanese Journal of Applied Physics</i> , 2000 , 39, 3835-3849	1.4	80
165	Photo precursor for pentacene. <i>Tetrahedron Letters</i> , 2005 , 46, 1981-1983	2	79
164	Stereospecific One-pot Synthesis of Enamides and Enimides by the Copper Iodide Promoted Vinylic Substitution. <i>Chemistry Letters</i> , 1991 , 20, 1443-1446	1.7	72
163	A new synthesis of pyrroles and porphyrins fused with aromatic rings. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1996 , 417		71
162	Porphyrin Molecular Nanodevices Wired Using Single-Walled Carbon Nanotubes. <i>Advanced Materials</i> , 2006 , 18, 1411-1415	24	67
161	Photocurrent and electronic activities of oriented-His-tagged photosynthetic light-harvesting/reaction center core complexes assembled onto a gold electrode. <i>Biomacromolecules</i> , 2012 , 13, 432-8	6.9	63
160	A new synthesis of Electron conjugated phosphonates and phosphonic bis(diethylamides) and their SHG activities. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998 , 2953-2958		59
159	One-pot electrochemical formation of meso,meso-linked porphyrin arrays. <i>Chemical Communications</i> , 1998 , 337-338	5.8	59
158	Bridging nanogap electrodes by in situ electropolymerization of a bis(terthiophenylphenanthroline)ruthenium complex. <i>Chemistry - A European Journal</i> , 2004 , 10, 3331-40	4.8	57
157	A molecular neuromorphic network device consisting of single-walled carbon nanotubes complexed with polyoxometalate. <i>Nature Communications</i> , 2018 , 9, 2693	17.4	56

156	Proton-induced switching of the single molecule magnetic properties of a porphyrin based Tb(III) double-decker complex. <i>Chemical Communications</i> , 2012 , 48, 7796-8	5.8	56
155	Fabrication of nanoscale gaps using a combination of self-assembled molecular and electron beam lithographic techniques. <i>Applied Physics Letters</i> , 2006 , 88, 223111	3.4	56
154	Entropy-controlled 2D supramolecular structures of N,N'-bis(n-alkyl)naphthalenediimides on a HOPG surface. <i>ACS Nano</i> , 2012 , 6, 3876-87	16.7	52
153	Synthesis of 3,4-diarylpyrroles and conversion into dodecaarylporphyrins; a new approach to porphyrins with altered redox potentials. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998 , 1595-1602		52
152	Molecular junctions composed of oligothiophene dithiol-bridged gold nanoparticles exhibiting photoresponsive properties. <i>Chemistry - A European Journal</i> , 2005 , 12, 607-19	4.8	51
151	Electronic conductive characteristics of devices fabricated with 1,10-decanedithiol and gold nanoparticles between 1- μ m electrode gaps. <i>Thin Solid Films</i> , 2001 , 393, 374-378	2.2	49
150	Synthesis of pyrroles annulated with polycyclic aromatic compounds; precursor molecules for low band gap polymers. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 1019		42
149	Volatile/Nonvolatile Dual-Functional Atom Transistor. <i>Applied Physics Express</i> , 2011 , 4, 015204	2.4	39
148	Synthesis and characterization of N-confused porphyrinatoantimony(V): toward a low energy gap molecular wire. <i>Journal of Organometallic Chemistry</i> , 2000 , 611, 551-557	2.3	38
147	New composite porphyrin-conductive polymer gas sensors for application in electronic noses. <i>Sensors and Actuators B: Chemical</i> , 2014 , 193, 136-141	8.5	37
146	Effects of Metallon Complexation for the Self-Assembled Nanocomposite Films Composed of Gold Nanoparticles and 3,8-Bis(terthiophenyl)phenanthroline-Based Dithiols Bridging 1 μ m Gap Gold Electrodes: Morphology, Temperature Dependent Electronic Conduction, and Photoresponse. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 11513-11526	3.8	37
145	Synthesis of dendron-protected porphyrin wires and preparation of a one-dimensional assembly of gold nanoparticles chemically linked to the pi-conjugated wires. <i>Langmuir</i> , 2007 , 23, 6365-71	4	37
144	Syntheses, crystal structures, and spectral properties of a series of 3,8-Bisphenyl-1,10-phenanthroline derivatives: precursors of 3,8-Bis(4-mercaptophenyl)-1,10-phenanthroline and Its ruthenium(II) complex for preparing nanocomposite junctions with gold nanoparticles between 1 microm gap gold electrodes. <i>Inorganic Chemistry</i> , 2008 , 47, 468-80	5.1	36
143	An Alternative Synthetic Method for Polycyclic Aromatic Iodides. <i>Synthesis</i> , 1986 , 1986, 121-122	2.9	34
142	Copper(I) Iodide-Assisted Halogen Exchange at Vinylic Positions. Conversion of Vinyl, Vinylene, and Vinylidene Bromides to the Corresponding Iodo Analogs. <i>Synthesis</i> , 1988 , 1988, 236-238	2.9	34
141	PREPARATION OF AROMATIC IODIDES FROM BROMIDES VIA THE REVERSE HALOGEN EXCHANGE. <i>Chemistry Letters</i> , 1985 , 14, 411-412	1.7	32
140	Photoassisted formation of an atomic switch. <i>Small</i> , 2010 , 6, 1745-8	11	30
139	I-V characteristics of single electron tunneling from symmetric and asymmetric double-barrier tunneling junctions. <i>Applied Physics Letters</i> , 2007 , 90, 223112	3.4	30

- 138 Vollständig regioselektive Synthese von direkt verknüpften meso-meso- und meso- β Porphyrindimeren durch elektrochemische Eintopfoxidation von Metalloporphyrinen. *Angewandte Chemie*, **1999**, 111, 140-142 3.6 30
- 137 Spontaneous resolution of Δ and Λ enantiomeric pair of [Ru(phen)(bpy)₂](PF₆)₂ (phen=1,10-phenanthroline, bpy=2,2'-bipyridine) by conglomerate crystallization. *Polyhedron*, **2006**, 25, 1379-1385 2.7 28
- 136 Novel charge transport in DNA-templated nanowires. *Journal of Materials Chemistry*, **2012**, 22, 13691 27
- 135 Visible fluorescence induced by the metal semiconductor transition in composites of carbon nanotubes with noble metal nanoparticles. *Physical Review Letters*, **2007**, 99, 167404 7.4 27
- 134 The first preparation of crown ether-annulated porphyrin. *Tetrahedron Letters*, **1996**, 37, 3133-3136 2 27
- 133 Spectral, Structural, and Computational Studies of a New Family of Ruthenium(II) Complexes Containing Substituted 1,10-Phenanthroline Ligands and in situ Electropolymerization of a Phenanthroline Ruthenium(II) Complex Bridging Nanogap Gold Electrodes. *European Journal of Inorganic Chemistry*, **2008**, 2008, 1321-1330 2.3 25
- 132 Enhanced Red-Light Emission by Local Plasmon Coupling of Au Nanorods in an Organic Light-Emitting Diode. *Applied Physics Express*, **2011**, 4, 032105 2.4 25
- 131 Synthesis and self-assembly of novel porphyrin molecular wires. *Thin Solid Films*, **2006**, 499, 23-28 2.2 25
- 130 Properties of thiol end-capped and iodine-doped sexithiophene disulfide semiconducting polymers bridging nanogap gold electrodes. *Advanced Materials*, **2010**, 22, 2753-8 24 24
- 129 Synthesis of β -Arylated Phenylsulfonylacetonitriles. A Useful Precursor for Substituted β -Arylalkanoic Acid and Their Derivatives. *Chemistry Letters*, **1987**, 16, 887-890 1.7 24
- 128 Size-dependent single electron tunneling effect in Au nanoparticles. *Surface Science*, **2007**, 601, 3907-3918 23
- 127 Structural and spectroscopic characterizations of low-spin [Fe(4,4'-dimethyl-2,2'-bipyridine)₃](NCS)₂·2H₂O prepared from high-spin iron(II) dithiocyanate tetrapyrroline. *Journal of Molecular Structure*, **2006**, 785, 21-26 3.4 23
- 126 Regioselective synthesis of 5-unsubstituted benzyl pyrrole-2-carboxylates from benzyl isocyanoacetate. *Journal of Heterocyclic Chemistry*, **1994**, 31, 707-710 1.9 23
- 125 Molecular Design for Single-molecule Magnetism of Lanthanide Complexes. *Chemistry Letters*, **2017**, 46, 10-18 1.7 22
- 124 Room-temperature phosphorescence-to-phosphorescence mechanochromism of a metal-free organic 1,2-diketone. *Journal of Materials Chemistry C*, **2019**, 7, 11926-11931 7.1 21
- 123 Thin films of spin-crossover coordination polymers with large thermal hysteresis loops prepared by nanoparticle spin coating. *Chemical Communications*, **2014**, 50, 10074-7 5.8 21
- 122 Switching of single-molecule magnetic properties of Tb(III)-porphyrin double-decker complexes and observation of their supramolecular structures on a carbon surface. *Chemistry - A European Journal*, **2014**, 20, 11362-9 4.8 21
- 121 Construction of macrocycle-based molecular stairs having pendant 4-aminopyridine, 4-dimethylaminopyridine and isonicotinonitrile groups. *Polyhedron*, **2007**, 26, 1483-1492 2.7 21

120	An Alternative Method for the Stereospecific Synthesis of Conjugated Alkynes Via the Copper (I) Iodide Assisted Cross-Coupling Reaction of 1-Alkynes with Haloalkenes. <i>Synthetic Communications</i> , 1989 , 19, 2199-2207	1.7	21
119	Identification of Tobacco Types and Cigarette Brands Using an Electronic Nose Based on Conductive Polymer/Porphyrin Composite Sensors. <i>ACS Omega</i> , 2018 , 3, 6476-6482	3.9	20
118	Volatile and nonvolatile selective switching of a photo-assisted initialized atomic switch. <i>Nanotechnology</i> , 2013 , 24, 384006	3.4	20
117	Enhanced nucleophilicity of tris-(2,6-dimethoxyphenyl)bismuthane as studied by X-ray crystallography, 17O NMR spectroscopy and theoretical calculations. X-Ray molecular structure of tris-(2,6-dimethoxyphenyl)bismuthane and of trimesitylbismuthane. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1994 , 3479		20
116	A Direct Formation of Alkenyl Chalcogenides from Nonactivated Alkenyl Halides and Diorganyl Dichalcogenides under Neutral Conditions. <i>Chemistry Letters</i> , 1989 , 18, 769-772	1.7	20
115	Method for Controlling Electrical Properties of Single-Layer Graphene Nanoribbons via Adsorbed Planar Molecular Nanoparticles. <i>Scientific Reports</i> , 2015 , 5, 12341	4.9	19
114	A photo-responsive molecular wire composed of a porphyrin polymer and a fullerene derivative. <i>Journal of Materials Chemistry</i> , 2009 , 19, 8307		19
113	A new method for chemical modification of conductive polypyrroles without destroying their conductivity. <i>Advanced Materials</i> , 1997 , 9, 149-153	24	19
112	Synthesis of 2,7,12,17-tetraaryl-3,8,13,18-tetranitroporphyrins; electronic effects on aggregation properties of porphyrins. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998 , 3819-3824		19
111	Halide anion mediated dimerization of a meso-unsubstituted N-confused porphyrin. <i>Chemistry - an Asian Journal</i> , 2008 , 3, 592-599	4.5	19
110	Room-temperature discrete-charge-fluctuation dynamics of a single molecule adsorbed on a carbon nanotube. <i>Nanoscale</i> , 2017 , 9, 10674-10683	7.7	18
109	Multi-Curve Fitting Analysis of Temperature-Dependent I-V Curves of Poly-Hexathienylphenanthroline-Bridged Nanogap Electrodes. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, L634-L636	1.4	17
108	3-Nitrochromenes for second order nonlinear optical applications. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 1781		17
107	Sodium Telluride-Mediated Sulfenylation of α -Halo Carbonyl Compounds with Diphenyl Disulfide. <i>Bulletin of the Chemical Society of Japan</i> , 1989 , 62, 1358-1360	5.1	17
106	Anomalous Reaction of Arylmalononitriles with Nitric Acid. Para-Directing Nature of Dicyanomethyl Group and a Through-Ring Nitro/aci-Nitro Tautomerism of 4-Nitrophenylmalononitrile. <i>Bulletin of the Chemical Society of Japan</i> , 1988 , 61, 501-504	5.1	17
105	Dualism of Sensitivity and Selectivity of Porphyrin Dimers in Electroanalysis. <i>Analytical Chemistry</i> , 2017 , 89, 3943-3951	7.8	15
104	Design and synthesis of perpendicularly connected metal porphyrin-imide dyads for two-terminal wired single molecular diodes. <i>Chemistry - A European Journal</i> , 2014 , 20, 7655-64	4.8	14
103	Rectification direction inversion in a phosphododecamolybdic acid/single-walled carbon nanotube junction. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 1137-1143	7.1	14

- 102 Refinement of conditions of point-contact current imaging atomic force microscopy for molecular-scale conduction measurements. *Nanotechnology*, **2007**, 18, 095501 3.4 14
- 101 First X-ray structure determination of a bismuthio ylide: 4,4-dimethyl-2,6-dioxo-1-triphenylbismuthiocyclohexanide. *Journal of the Chemical Society Perkin Transactions 1*, **1990**, 3367 14
- 100 Electronic properties of a single-walled carbon nanotube/150mer-porphyrin system measured by point-contact current imaging atomic force microscopy. *Journal of Nanoscience and Nanotechnology*, **2006**, 6, 1644-8 1.3 13
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- 98 Preparation of 2-formyl-4-nitropyrroles. *Journal of Heterocyclic Chemistry*, **1991**, 28, 2053-2055 1.9 13
- 97 Facile preparation of hybrid thin films composed of spin-crossover nanoparticles and carbon nanotubes for electrical memory devices. *Dalton Transactions*, **2019**, 48, 7074-7079 4.3 12
- 96 A new synthesis of 4-phosphorylchromenes from 3-nitrochromenes. *Journal of Heterocyclic Chemistry*, **1997**, 34, 1243-1246 1.9 12
- 95 Scanning tunneling microscopy investigation of vanadyl and cobalt(II) octaethylporphyrin self-assembled monolayer arrays on graphite. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2008**, 313-314, 230-233 5.1 12
- 94 Metal ion effect on the supramolecular structures of metalloporphyrins on single-walled carbon nanotube surface. *Applied Surface Science*, **2018**, 462, 904-912 6.7 11
- 93 N-Tosyltriaryl bismuthimines. Synthesis and Reactions with Some Electrophiles. *Chemistry Letters*, **1991**, 20, 105-108 1.7 11
- 92 A new method of generation of bismuthonium ylides and their efficient trapping with sulphenes. *Journal of the Chemical Society Chemical Communications*, **1989**, 1749 11
- 91 Synthesis and Properties of Dinitromethylated Arenes. Reinvestigation of the Ponzio Reaction. *Bulletin of the Chemical Society of Japan*, **1988**, 61, 2927-2931 5.1 11
- 90 A Novel Synthesis of Alkyl Aryl Sulfones via the Telluride Ion-Assisted Coupling of Arenesulfonyl Chlorides with Alkyl Halides. *Chemistry Letters*, **1988**, 17, 727-728 1.7 11
- 89 Synthesis of a series of Zinc(II)/freebase porphyrin dimers and trimers with programmable sequences from a common key molecule. *Journal of Organic Chemistry*, **2014**, 79, 11029-38 4.2 10
- 88 Effect of Protonation on the Single-molecule-magnet Behavior of a Mixed (Phthalocyaninato)(porphyrinato)terbium Double-decker Complex. *Chemistry Letters*, **2015**, 44, 668-670 1.7 10
- 87 Synthesis and photochemical behavior of metalloporphyrin complexes containing a photochromic axial ligand. *Thin Solid Films*, **2006**, 499, 219-223 2.2 10
- 86 Triphenylbismuthonio-4,4-dimethyl-2,6-dioxocyclohexane-1-ide and Triphenylbismuthonio-4,4-dimethyl-2,6-dioxo-3,5-dioxan-1-ide. Preparation and Properties of the Stable Bismuthonium Ylides. *Chemistry Letters*, **1988**, 17, 847-848 1.7 10
- 85 Reaction of Stabilized Bismuthonium Ylides with Aldehydes. A Novel Reaction Mode of the Heaviest Group V Element Ylide. *Chemistry Letters*, **1988**, 17, 849-852 1.7 10

84	Photochemistry of N-alk-4-enyl- and N-alk-5-enyl-phthalimides: two different types of cyclization reaction. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1985 , 2025		10
83	Mechanoresponsive turn-on phosphorescence by a desymmetrization approach. <i>Chemical Communications</i> , 2020 , 56, 6810-6813	5.8	9
82	Systematic Structural Elucidation for the Protonated Form of Rare Earth Bis(porphyrinato) Double-Decker Complexes: Direct Structural Evidence of the Location of the Attached Proton. <i>Inorganic Chemistry</i> , 2016 , 55, 8935-42	5.1	9
81	Temperature-Dependent Current/Voltage and Photoresponsive Properties for Semiconducting Nanodevices Fabricated from an Oligothiazole Dithiol and Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 25325-25333	3.8	9
80	Advanced photoassisted atomic switches produced using ITO nanowire electrodes and molten photoconductive organic semiconductors. <i>Advanced Materials</i> , 2013 , 25, 5893-7	24	9
79	Sequential Phase Transition during Fabricating β -Ag ₂ S Film on Ag Electrode by Wet Chemical Process. <i>E-Journal of Surface Science and Nanotechnology</i> , 2014 , 12, 185-188	0.7	9
78	A new synthesis of 1-phenylthio- and 1-alkylamino-4-nitrobuta-1,3-dienes. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1996 , 1905		9
77	Influences of Lewis Acids on the Photochemical Cyclodimerization of Cyclopentenone. <i>Bulletin of the Chemical Society of Japan</i> , 1987 , 60, 423-425	5.1	9
76	Synthesis of end-functionalized π -conjugated porphyrin oligomers. <i>Tetrahedron</i> , 2006 , 62, 4749-4755	2.4	8
75	Tris(2-methoxyphenyl)bismuthane as a dehydrating agent with high template ability: an efficient single-step synthesis of macrocyclic diesters from diacid anhydrides and glycols. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 1407		8
74	Electron-rich Triarylbi-muthines as Selective Condensation Reagent under Neutral Conditions. Condensation of Aliphatic Carboxylic Acids with Amines and Alcohols. <i>Chemistry Letters</i> , 1993 , 22, 815-818	1.7	8
73	Synthesis of Symmetrical Polycyclic Aromatic Tellurides. <i>Synthesis</i> , 1989 , 1989, 468-471	2.9	8
72	Formation of Furan Derivatives from Phenacyl Bromides and Sodium Telluride; Attempted Extension to Coumarin Synthesis. <i>Bulletin of the Chemical Society of Japan</i> , 1989 , 62, 2114-2116	5.1	8
71	Assignment of the Absolute-Handedness Chirality of Single-Walled Carbon Nanotubes Using Organic Molecule Supramolecular Structures. <i>Chemistry - A European Journal</i> , 2019 , 25, 1941-1948	4.8	8
70	Carbenoid Type Reactions of a Stabilized Bismuthonium Ylide in the Presence of Copper Catalyst. <i>Chemistry Letters</i> , 1989 , 18, 325-328	1.7	7
69	Palladium-Catalyzed Double Carbonylative Cyclization of Benzoin: Synthesis and Photoluminescence of Bis-Ester-Bridged Stilbenes. <i>Organic Letters</i> , 2018 , 20, 7442-7446	6.2	7
68	Oxygen Reduction Reaction (ORR) Activity of a Phenol-Substituted Linear Fe(III)Porphyrin Dimer. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 3229-3232	2.3	6
67	Tuning the electrical property of a single layer graphene nanoribbon by adsorption of planar molecular nanoparticles. <i>Nanotechnology</i> , 2017 , 28, 175704	3.4	6

66	Supramolecular structures of terbium(iii) porphyrin double-decker complexes on a single-walled carbon nanotube surface.. <i>RSC Advances</i> , 2019 , 9, 28135-28145	3.7	6
65	Diameter dependence of longitudinal unzipping of single-walled carbon nanotube to obtain graphene nanoribbon. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 06GG12	1.4	6
64	Photo-response behavior of Au nano-particle/porphyrin polymer composite device with nano-gapped electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2007 , 18, 939-942	2.1	6
63	Morphology and Electric Properties of Nonathiophene/Au Nano-Composite Thin Films Formed Between 1 μ m Gapped Electrodes. <i>Molecular Crystals and Liquid Crystals</i> , 2006 , 455, 305-309	0.5	6
62	Single-walled carbon nanotube absolute-handedness chirality assignment confirmation using metalized porphyrin's supramolecular structures via STM imaging technique. <i>Chirality</i> , 2020 , 32, 345-352 ^{2.1}		6
61	Single-Molecular Bridging in Static Metal Nanogap Electrodes Using Migrations of Metal Atoms. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 14007-14015	3.8	5
60	Redox-Driven Symmetry Change for Terbium(III) Bis(porphyrinato) Double-Decker Complexes by the Azimuthal Rotation of the Porphyrin Macrocycles. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 1692-1698	4.5	5
59	A New Route to Porphyrins Substituted with Long Alkoxy Groups, Attempts to Prepare the Discotic Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 1996 , 278, 165-171		5
58	Mild Acetylation of Amides, Thioamides, Ureas, and Thioureas Using Methyl Bis(1-naphthyl)bismuthinate in Acetic Acid. <i>Chemistry Letters</i> , 1990 , 19, 1651-1654	1.7	5
57	Versatile and Catalyst-Free Methods for the Introduction of Group-16 Elements at the meso-Positions of Diarylporphyrins. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 2468-2478	3	5
56	Real-space characterization of hydroxyphenyl porphyrin derivatives designed for single-molecule devices. <i>RSC Advances</i> , 2015 , 5, 79152-79156	3.7	4
55	Influence of nanoparticle size to the electrical properties of naphthalenediimide on single-walled carbon nanotube wiring. <i>Nanotechnology</i> , 2012 , 23, 215701	3.4	4
54	Fabrication of Nanogap Electrodes by the Molecular Lithography Technique. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 035204	1.4	4
53	Preparation of Long Conjugated Porphyrin Polymers with Gold Nanoparticles at Both Ends as Electronic and/or Photonic Molecular Wires. <i>Chemistry Letters</i> , 2009 , 38, 542-543	1.7	4
52	A new utilization of organic molecules for nanofabrication using the molecular ruler method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 313-314, 369-372	5.1	4
51	Simple Preparation Method for Supramolecular Porphyrin Arrays on Mica Using Air/Water Interface. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 2324-2327	1.4	4
50	Copper(I) Salt Promoted Reactions of Sulfur Nucleophiles with Vinyl Bromides. Simple and Straightforward Preparations of S-Vinyl Thiobenzoates and S,S'-Vinylidene Bisthiobenzoates. <i>Chemistry Letters</i> , 1992 , 21, 1947-1950	1.7	4
49	Facile Cleavage of Aryl Haloacetates and 2-Chloroethyl Carboxylic Esters with Sodium Telluride. A One-pot Conversion of Aryl Esters into Aryl Ethers under Aprotic Conditions. <i>Chemistry Letters</i> , 1989 , 18, 1017-1020	1.7	4

48	Preparation and Properties of Alkyl Diarylbismuthinates. A New Class of Organic Pentavalent Bismuth Compounds. <i>Chemistry Letters</i> , 1988 , 17, 2021-2024	1.7	4
47	OXETANES DERIVED FROM N-METHYLGLUTARIMIDE AND THEIR ISOMERIZATION IN ACIDIC MEDIA. <i>Chemistry Letters</i> , 1978 , 7, 1107-1108	1.7	4
46	Surface Self-Assembly of Trans-Substituted Porphyrin Double-Decker Complexes Exhibiting Slow Magnetic Relaxation. <i>E-Journal of Surface Science and Nanotechnology</i> , 2014 , 12, 124-128	0.7	4
45	Stable Singlet Biradicals of Rare-Earth-Fused Diporphyrin-Triple-Decker Complexes with Low Energy Gaps and Multi-Redox States. <i>Chemistry - A European Journal</i> , 2019 , 25, 3240-3243	4.8	4
44	Coadsorption of Tb(III)-Porphyrin Double-decker Single-molecule Magnets in a Porous Molecular Network: Toward Controlled Alignment of Single-molecule Magnets on a Carbon Surface. <i>Chemistry Letters</i> , 2016 , 45, 286-288	1.7	3
43	Computational Investigation of a Photo-Switchable Single-Molecule Magnet Based on a Porphyrin Terbium Double-Decker Complex. <i>Heterocycles</i> , 2012 , 86, 1549	0.8	3
42	SYNTHESIS AND PROPERTIES OF MESO-TETRAARYL RHODIUM PORPHYRIN WITH AN AXIAL LIGAND OF MOLECULAR WIRE. <i>International Journal of Nanoscience</i> , 2002 , 01, 489-494	0.6	3
41	FORMATION OF GOLD NANOPARTICLES/OLIGOTHIOPHENE DITHIOLS COMPOSITE THIN FILMS BETWEEN MICROGAPPED GOLD ELECTRODES AND THEIR ELECTRONIC PROPERTIES. <i>International Journal of Nanoscience</i> , 2002 , 01, 557-562	0.6	3
40	Unusual Copper Salt Promoted Addition Reactions of Cyclic 1,3-Dicarbonylmethanides to Olefinic Bonds. <i>Chemistry Letters</i> , 1990 , 19, 937-940	1.7	3
39	Nitrogen effects in photoreactions. Photochemistry of iminoquinones with olefins. <i>Journal of Organic Chemistry</i> , 1983 , 48, 4968-4976	4.2	3
38	A Photochemically Induced Novel Ring Enlargement Reaction. Reaction of Cation Radical Derived from 7,8-Bis(methoxycarbonyl)-9-(4-methoxyphenyl)-1-phenyl-3,4-benzo-9-azabicyclo[4.2.1]non-3-ene-2,5-dione. <i>Bulletin of the Chemical Society of Japan</i> , 1983 , 56, 3525-3526	5.1	3
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