

Yasuhiro Shiraishi

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

170 papers	10,618 citations	55 h-index	98 g-index
184 ext. papers	12,000 ext. citations	6.4 avg, IF	6.56 L-index

#	Paper	IF	Citations
170	Gold nanoparticles located at the interface of anatase/rutile TiO ₂ particles as active plasmonic photocatalysts for aerobic oxidation. <i>Journal of the American Chemical Society</i> , 2012 , 134, 6309-15	16.4	559
169	Photocatalytic Conversion of Nitrogen to Ammonia with Water on Surface Oxygen Vacancies of Titanium Dioxide. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10929-10936	16.4	530
168	Highly Selective Production of Hydrogen Peroxide on Graphitic Carbon Nitride (g-C ₃ N ₄) Photocatalyst Activated by Visible Light. <i>ACS Catalysis</i> , 2014 , 4, 774-780	13.1	398
167	Sunlight-driven hydrogen peroxide production from water and molecular oxygen by metal-free photocatalysts. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13454-9	16.4	320
166	Cu(II)-selective green fluorescence of a rhodamine-diacetic acid conjugate. <i>Organic Letters</i> , 2007 , 9, 5039-42	4.2	313
165	Selective organic transformations on titanium oxide-based photocatalysts. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2008 , 9, 157-170	16.4	290
164	Carbon Nitride-Aromatic Diimide-Graphene Nanohybrids: Metal-Free Photocatalysts for Solar-to-Hydrogen Peroxide Energy Conversion with 0.2% Efficiency. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10019-25	16.4	273
163	Photocatalytic H ₂ O ₂ Production from Ethanol/O ₂ System Using TiO ₂ Loaded with Au/Ag Bimetallic Alloy Nanoparticles. <i>ACS Catalysis</i> , 2012 , 2, 599-603	13.1	271
162	A rhodamine-cyclen conjugate as a highly sensitive and selective fluorescent chemosensor for Hg(II). <i>Journal of Organic Chemistry</i> , 2008 , 73, 8571-4	4.2	240
161	Adsorption-driven photocatalytic activity of mesoporous titanium dioxide. <i>Journal of the American Chemical Society</i> , 2005 , 127, 12820-2	16.4	237
160	Effects of Surface Defects on Photocatalytic H ₂ O ₂ Production by Mesoporous Graphitic Carbon Nitride under Visible Light Irradiation. <i>ACS Catalysis</i> , 2015 , 5, 3058-3066	13.1	185
159	Graphitic Carbon Nitride Doped with Biphenyl Diimide: Efficient Photocatalyst for Hydrogen Peroxide Production from Water and Molecular Oxygen by Sunlight. <i>ACS Catalysis</i> , 2016 , 6, 7021-7029	13.1	183
158	Highly sensitive cyanide anion detection with a coumarin-spiropyran conjugate as a fluorescent receptor. <i>Chemical Communications</i> , 2011 , 47, 4953-5	5.8	176
157	One-pot synthesis of benzimidazoles by simultaneous photocatalytic and catalytic reactions on Pt@TiO ₂ nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1656-60	16.4	175
156	Pt-Cu bimetallic alloy nanoparticles supported on anatase TiO ₂ : highly active catalysts for aerobic oxidation driven by visible light. <i>ACS Nano</i> , 2013 , 7, 9287-97	16.7	163
155	Supported Au-Cu bimetallic alloy nanoparticles: an aerobic oxidation catalyst with regenerable activity by visible-light irradiation. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5295-9	16.4	160
154	Resorcinol-formaldehyde resins as metal-free semiconductor photocatalysts for solar-to-hydrogen peroxide energy conversion. <i>Nature Materials</i> , 2019 , 18, 985-993	27	158

153	Au Nanoparticles Supported on BiVO ₄ : Effective Inorganic Photocatalysts for H ₂ O ₂ Production from Water and O ₂ under Visible Light. <i>ACS Catalysis</i> , 2016 , 6, 4976-4982	13.1	156
152	Rhodamine-based fluorescent thermometer exhibiting selective emission enhancement at a specific temperature range. <i>Organic Letters</i> , 2007 , 9, 3921-4	6.2	135
151	Platinum nanoparticles strongly associated with graphitic carbon nitride as efficient co-catalysts for photocatalytic hydrogen evolution under visible light. <i>Chemical Communications</i> , 2014 , 50, 15255-8	5.8	133
150	Spiropyran as a selective, sensitive, and reproducible cyanide anion receptor. <i>Organic Letters</i> , 2009 , 11, 3482-5	6.2	133
149	A new rhodamine-based fluorescent chemosensor for transition metal cations synthesized by one-step facile condensation. <i>Tetrahedron Letters</i> , 2007 , 48, 5455-5459	2	127
148	Hot-Electron-Induced Highly Efficient O ₂ Activation by Pt Nanoparticles Supported on Ta ₂ O ₅ Driven by Visible Light. <i>Journal of the American Chemical Society</i> , 2015 , 137, 9324-32	16.4	117
147	Highly Efficient and Selective Hydrogenation of Nitroaromatics on Photoactivated Rutile Titanium Dioxide. <i>ACS Catalysis</i> , 2012 , 2, 2475-2481	13.1	109
146	Thermal isomerization of spiropyran to merocyanine in aqueous media and its application to colorimetric temperature indication. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 13737-45	3.6	108
145	N-Monoalkylation of Amines with Alcohols by Tandem Photocatalytic and Catalytic Reactions on TiO ₂ Loaded with Pd Nanoparticles. <i>ACS Catalysis</i> , 2013 , 3, 312-320	13.1	106
144	A hemicyanine-conjugated copolymer as a highly sensitive fluorescent thermometer. <i>Langmuir</i> , 2008 , 24, 4273-9	4	104
143	One-pot synthesis of imines from alcohols and amines with TiO ₂ loading Pt nanoparticles under UV irradiation. <i>Chemical Communications</i> , 2011 , 47, 4811-3	5.8	100
142	Selective Hydrogen Peroxide Formation by Titanium Dioxide Photocatalysis with Benzylic Alcohols and Molecular Oxygen in Water. <i>ACS Catalysis</i> , 2013 , 3, 2222-2227	13.1	96
141	Selective photocatalytic oxidation of alcohols to aldehydes in water by TiO ₂ partially coated with WO ₃ . <i>Chemistry - A European Journal</i> , 2011 , 17, 9816-24	4.8	92
140	A BODIPY-based fluorescent chemodosimeter for Cu(II) driven by an oxidative dehydrogenation mechanism. <i>Chemical Communications</i> , 2011 , 47, 2673-5	5.8	92
139	Spiropyran-conjugated thermoresponsive copolymer as a colorimetric thermometer with linear and reversible color change. <i>Organic Letters</i> , 2009 , 11, 1571-4	6.2	91
138	A molecular switch with pH-controlled absolutely switchable dual-mode fluorescence. <i>Organic Letters</i> , 2005 , 7, 2611-4	6.2	90
137	Platinum Nanoparticles Supported on Anatase Titanium Dioxide as Highly Active Catalysts for Aerobic Oxidation under Visible Light Irradiation. <i>ACS Catalysis</i> , 2012 , 2, 1984-1992	13.1	85
136	BODIPY-conjugated thermoresponsive copolymer as a fluorescent thermometer based on polymer microviscosity. <i>Langmuir</i> , 2009 , 25, 13176-82	4	84

135	Selective Nitrate-to-Ammonia Transformation on Surface Defects of Titanium Dioxide Photocatalysts. <i>ACS Catalysis</i> , 2017 , 7, 3713-3720	13.1	80
134	Photocatalytic Dinitrogen Fixation with Water on Bismuth Oxychloride in Chloride Solutions for Solar-to-Chemical Energy Conversion. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7574-7583	16.4	80
133	Vanadosilicate Molecular Sieve as a Catalyst for Oxidative Desulfurization of Light Oil. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 6034-6039	3.9	77
132	Thermoresponsive copolymer containing a coumarin-spiropyran conjugate: reusable fluorescent sensor for cyanide anion detection in water. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 4649-56	9.5	76
131	A fluorescent molecular logic gate with multiply-configurable dual outputs. <i>Chemical Communications</i> , 2005 , 5316-8	5.8	76
130	Light-triggered self-assembly of gold nanoparticles based on photoisomerization of spirothiopyran. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8304-8	16.4	74
129	pH- and H ₂ O-driven triple-mode pyrene fluorescence. <i>Organic Letters</i> , 2006 , 8, 3841-4	6.2	74
128	Titanosilicate molecular sieve for size-screening photocatalytic conversion. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8304-6	16.4	69
127	Visible light-induced partial oxidation of cyclohexane on WO ₃ loaded with Pt nanoparticles. <i>Catalysis Science and Technology</i> , 2012 , 2, 400-405	5.5	68
126	Nitrogen Fixation with Water on Carbon-Nitride-Based Metal-Free Photocatalysts with 0.1% Solar-to-Ammonia Energy Conversion Efficiency. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4169-4177	6.1	65
125	Titanium Dioxide/Reduced Graphene Oxide Hybrid Photocatalysts for Efficient and Selective Partial Oxidation of Cyclohexane. <i>ACS Catalysis</i> , 2017 , 7, 293-300	13.1	64
124	Spiropyran-modified gold nanoparticles: reversible size control of aggregates by UV and visible light irradiations. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7554-62	9.5	64
123	A BODIPY-thiophene conjugate as a colorimetric and fluorometric probe for selective fluoride anion detection. <i>Tetrahedron Letters</i> , 2009 , 50, 4293-4296	2	63
122	Fe(III)- and Hg(II)-selective dual channel fluorescence of a rhodamine- β -zinc crown ether conjugate. <i>Tetrahedron Letters</i> , 2008 , 49, 4178-4181	2	62
121	Coumarin-Spiropyran Dyad with a Hydrogenated Pyran Moiety for Rapid, Selective, and Sensitive Fluorometric Detection of Cyanide Anion. <i>Analytical Chemistry</i> , 2016 , 88, 6805-11	7.8	61
120	Quantum tunneling injection of hot electrons in Au/TiO plasmonic photocatalysts. <i>Nanoscale</i> , 2017 , 9, 8349-8361	7.7	60
119	Highly efficient photocatalytic dehalogenation of organic halides on TiO ₂ loaded with bimetallic Pd-Pt alloy nanoparticles. <i>Chemical Communications</i> , 2011 , 47, 7863-5	5.8	60
118	Mellitic Triimide-Doped Carbon Nitride as Sunlight-Driven Photocatalysts for Hydrogen Peroxide Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 6478-6485	8.3	58

117	A Novel Desulfurization Process for Fuel Oils Based on the Formation and Subsequent Precipitation of S-Alkylsulfonium Salts. 1. Light Oil Feedstocks. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 1213-1224	3.9	58
116	Selective Photocatalytic Oxidation of Aniline to Nitrosobenzene by Pt Nanoparticles Supported on TiO ₂ under Visible Light Irradiation. <i>ACS Catalysis</i> , 2014 , 4, 2418-2425	13.1	55
115	One-Pot Synthesis of Benzimidazoles by Simultaneous Photocatalytic and Catalytic Reactions on Pt@TiO ₂ Nanoparticles. <i>Angewandte Chemie</i> , 2010 , 122, 1700-1704	3.6	55
114	Separation of Transition Metals Using Inorganic Adsorbents Modified with Chelating Ligands. <i>Industrial & Engineering Chemistry Research</i> , 2002 , 41, 5065-5070	3.9	54
113	Hydrogen Peroxide Production on a Carbon Nitride-Boron Nitride-Reduced Graphene Oxide Hybrid Photocatalyst under Visible Light. <i>ChemCatChem</i> , 2018 , 10, 2070-2077	5.2	53
112	Desulfurization of Vacuum Gas Oil Based on Chemical Oxidation Followed by Liquid-Liquid Extraction. <i>Energy & Fuels</i> , 2004 , 18, 37-40	4.1	53
111	Mechanism for different fluorescence response of a coumarin-amide-dipicolylamine linkage to Zn(II) and Cd(II) in water. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 1474-82	2.8	52
110	A coumarin-thiourea conjugate as a fluorescent probe for Hg(II) in aqueous media with a broad pH range 2-12. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 1310-4	3.9	51
109	Hg(II)-selective excimer emission of a bisnaphthyl azadiene derivative. <i>Organic Letters</i> , 2007 , 9, 3125-8	6.2	51
108	Rutile Crystallites Isolated from Degussa (Evonik) P25 TiO ₂ : Highly Efficient Photocatalyst for Chemoselective Hydrogenation of Nitroaromatics. <i>ACS Catalysis</i> , 2013 , 3, 2318-2326	13.1	50
107	Indole-azadiene conjugate as a colorimetric and fluorometric probe for selective fluoride ion sensing. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 2072-6	3.9	47
106	Effect of Photosensitizer and Hydrogen Peroxide on Desulfurization of Light Oil by Photochemical Reaction and Liquid-Liquid Extraction. <i>Industrial & Engineering Chemistry Research</i> , 1997 , 36, 530-533	3.9	46
105	Visible light-induced selective oxidation of cyclohexane to cyclohexanone on Cr-Si binary oxide with molecular oxygen. <i>Chemical Communications</i> , 2005 , 4569-71	5.8	45
104	A quinoline-polyamine conjugate as a fluorescent chemosensor for quantitative detection of Zn(II) in water. <i>Tetrahedron Letters</i> , 2007 , 48, 7769-7773	2	44
103	A fluorescent chemosensor for wide-range pH detection. <i>Chemical Communications</i> , 2005 , 5313-5	5.8	44
102	Ti-containing mesoporous organosilica as a photocatalyst for selective olefin epoxidation. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 17898-905	3.4	44
101	Colorimetric sensing of cyanide anion in aqueous media with a fluorescein-epiopyran conjugate. <i>Tetrahedron</i> , 2012 , 68, 690-696	2.4	43
100	Selective fluorometric detection of aromatic thiols by a chemosensor containing two electrophilic sites with different local softness. <i>Chemical Communications</i> , 2013 , 49, 11680-2	5.8	43

99	Visible light-induced desulfurization technique for light oil. <i>Chemical Communications</i> , 1998 , 2601-2602	5.8	43
98	Acetonitrile-assisted highly selective photocatalytic epoxidation of olefins on Ti-containing silica with molecular oxygen. <i>Chemical Communications</i> , 2005 , 5977-9	5.8	43
97	Rapid, selective, and sensitive fluorometric detection of cyanide anions in aqueous media by cyanine dyes with indolium-coumarin linkages. <i>Chemical Communications</i> , 2014 , 50, 11583-6	5.8	42
96	Supported Au/Pd Bimetallic Alloy Nanoparticles: An Aerobic Oxidation Catalyst with Regenerable Activity by Visible-Light Irradiation. <i>Angewandte Chemie</i> , 2013 , 125, 5403-5407	3.6	42
95	Local viscosity analysis of triblock copolymer micelle with cyanine dyes as a fluorescent probe. <i>Langmuir</i> , 2010 , 26, 17505-12	4	41
94	A Deep Desulfurization Process for Light Oil by Photosensitized Oxidation Using a Triplet Photosensitizer and Hydrogen Peroxide in an Oil/Water Two-Phase Liquid-Liquid Extraction System. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 1589-1595	3.9	41
93	Sunlight-Driven Hydrogen Peroxide Production from Water and Molecular Oxygen by Metal-Free Photocatalysts. <i>Angewandte Chemie</i> , 2014 , 126, 13672-13677	3.6	39
92	Colorimetric sensing of Cu(II) in aqueous media with a spiropyran derivative via a oxidative dehydrogenation mechanism. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 3456-63	9.5	39
91	Photocatalytic Dehalogenation of Aromatic Halides on Ta ₂ O ₅ -Supported Pt/Pd Bimetallic Alloy Nanoparticles Activated by Visible Light. <i>ACS Catalysis</i> , 2017 , 7, 5194-5201	13.1	38
90	Identification of Desulfurization Products in the Photochemical Desulfurization Process for Benzothiophenes and Dibenzothiophenes from Light Oil Using an Organic Two-Phase Extraction System. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 3300-3309	3.9	38
89	Rapid colorimetric sensing of cyanide anion in aqueous media with a spiropyran derivative containing a dinitrophenolate moiety. <i>Tetrahedron Letters</i> , 2011 , 52, 1515-1519	2	37
88	Bis-azamacrocyclic anthracene as a fluorescent chemosensor for cations in aqueous solution. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 19139-47	3.4	37
87	Selective photocatalytic transformations on microporous titanosilicate ETS-10 driven by size and polarity of molecules. <i>Langmuir</i> , 2008 , 24, 12658-63	4	36
86	Temperature-driven oxygenation rate control by polymeric photosensitizer. <i>Journal of the American Chemical Society</i> , 2006 , 128, 8751-3	16.4	36
85	One-pot synthesis of imines from nitroaromatics and alcohols by tandem photocatalytic and catalytic reactions on Degussa (Evonik) P25 titanium dioxide. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 3797-806	9.5	34
84	Multicolor fluorescence of a styrylquinoline dye tuned by metal cations. <i>Chemistry - A European Journal</i> , 2011 , 17, 8324-32	4.8	34
83	Visible Light-Induced Deep Desulfurization Process for Light Oils by Photochemical Electron-Transfer Oxidation in an Organic Two-Phase Extraction System. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 3310-3318	3.9	33
82	Colorimetric response of spiropyran derivative for anions in aqueous or organic media. <i>Tetrahedron</i> , 2011 , 67, 891-897	2.4	32

81	Solvent-driven multiply configurable on/off fluorescent indicator of the pH window: a diethylenetriamine bearing two end pyrene fragments. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 5090-1100	3.4	32
80	Spiropyran as a reusable chemosensor for selective colorimetric detection of aromatic thiols. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 12137-42	3.6	31
79	Selective colorimetric sensing of Co(II) in aqueous media with a spiropyran-amide-dipicolylamine linkage under UV irradiation. <i>Chemical Communications</i> , 2012 , 48, 5485-7	5.8	30
78	Effects of metal cation coordination on fluorescence properties of a diethylenetriamine bearing two end pyrene fragments. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 8812-22	3.4	30
77	A triethylenetetramine bearing anthracene and benzophenone as a fluorescent molecular logic gate with either-or switchable dual logic functions. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 21596-6023	3.4	30
76	Noble-Metal-Free Deoxygenation of Epoxides: Titanium Dioxide as a Photocatalytically Regenerable Electron-Transfer Catalyst. <i>ACS Catalysis</i> , 2014 , 4, 1642-1649	13.1	29
75	A phenylbenzoxazole-amide-azacrown linkage as a selective fluorescent receptor for ratiometric sensing of Pb(II) in aqueous media. <i>Chemical Communications</i> , 2013 , 49, 3434-6	5.8	29
74	Visible light-induced partial oxidation of olefins on Cr-containing silica with molecular oxygen. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 6257-63	3.4	29
73	Photocatalytic hydrogen peroxide splitting on metal-free powders assisted by phosphoric acid as a stabilizer. <i>Nature Communications</i> , 2020 , 11, 3386	17.4	28
72	Visible-Light-Induced Partial Oxidation of Cyclohexane by Cr/Ti/Si Ternary Mixed Oxides with Molecular Oxygen. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 19782-19788	3.8	28
71	A fluorescent molecular switch driven by the input sequence of metal cations: an azamacrocyclic ligand containing bipolar anthracene fragments. <i>Chemistry - A European Journal</i> , 2008 , 14, 259-71	4.8	27
70	Rhodamine-conjugated acrylamide polymers exhibiting selective fluorescence enhancement at specific temperature ranges. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 200, 432-437	4.7	27
69	Effect of substrate polarity on photocatalytic activity of titanium dioxide particles embedded in mesoporous silica. <i>Journal of Catalysis</i> , 2009 , 264, 175-182	7.3	26
68	Photosensitized oxygenation of sulfides within an amphiphilic dendrimer containing a benzophenone core. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 8580-6	3.4	26
67	Vanadium-containing mesoporous silica of high photocatalytic activity and stability even in water. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 6587-94	3.4	26
66	Selective side-chain oxidation of alkyl-substituted aromatics on TiO ₂ partially coated with WO ₃ as a photocatalyst. <i>Catalysis Science and Technology</i> , 2013 , 3, 2270	5.5	25
65	Temperature-driven on/off fluorescent indicator of pH window: an anthracene-conjugated thermoresponsive polymer. <i>Tetrahedron Letters</i> , 2007 , 48, 6660-6664	2	24
64	Selective photooxidation of chlorophenols with molecularly imprinted polymers containing a photosensitizer. <i>New Journal of Chemistry</i> , 2010 , 34, 714	3.6	23

63	A benzoxadiazolethiourea conjugate as a fluorescent chemodosimeter for Hg(II) in aqueous media. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 219, 154-158	4.7	23
62	A Novel Desulfurization Process for Fuel Oils Based on the Formation and Subsequent Precipitation of S-Alkylsulfonium Salts. 2. Catalytic-Cracked Gasoline. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 1225-1233	3.9	23
61	Unmodified fluorescein as a fluorescent chemosensor for fluoride ion detection. <i>Tetrahedron Letters</i> , 2007 , 48, 8803-8806	2	22
60	Photoreductive synthesis of monodispersed Au nanoparticles with citric acid as reductant and surface stabilizing reagent. <i>RSC Advances</i> , 2017 , 7, 6187-6192	3.7	21
59	Photocatalytic NH ₃ Splitting on TiO ₂ Particles Decorated with Pt/Au Bimetallic Alloy Nanoparticles. <i>ACS Applied Nano Materials</i> , 2020 , 3, 1612-1620	5.6	21
58	Sensitized luminescence of Eu and Tb macrocyclic complexes bearing benzophenone antennae. <i>Journal of Luminescence</i> , 2007 , 126, 68-76	3.8	21
57	Highly efficient methyl ketone synthesis by water-assisted C-C coupling between olefins and photoactivated acetone. <i>Organic Letters</i> , 2008 , 10, 3117-20	6.2	20
56	Photocatalytic hydrogenation of azobenzene to hydrazobenzene on cadmium sulfide under visible light irradiation. <i>Chemical Communications</i> , 2018 , 54, 452-455	5.8	20
55	Temperature-controlled changeable oxygenation selectivity by singlet oxygen with a polymeric photosensitizer. <i>Chemical Communications</i> , 2007 , 1846-8	5.8	19
54	Off/on fluorometric detection of cyanide anions in an aqueous mixture by an indane-based receptor. <i>New Journal of Chemistry</i> , 2016 , 40, 1237-1243	3.6	18
53	Synthesis of Au Nanoparticles with Benzoic Acid as Reductant and Surface Stabilizer Promoted Solely by UV Light. <i>Langmuir</i> , 2017 , 33, 13797-13804	4	18
52	Entropy-driven thermal isomerization of spiropyran in viscous media. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 9083-90	2.8	18
51	Hydrophobic Cr/Bi mixed oxides as a catalyst for visible light-induced partial oxidation of cyclohexane. <i>New Journal of Chemistry</i> , 2010 , 34, 2841	3.6	18
50	Photocatalytic Dinitrogen Reduction with Water on Boron-Doped Carbon Nitride Loaded with Nickel Phosphide Particles. <i>Langmuir</i> , 2020 , 36, 734-741	4	18
49	A novel methodology towards deep desulfurization of light oil effected by sulfimides formation. <i>Chemical Communications</i> , 2001 , 1256-1257	5.8	17
48	Solar-to-hydrogen peroxide energy conversion on resorcinol-formaldehyde resin photocatalysts prepared by acid-catalysed polycondensation. <i>Communications Chemistry</i> , 2020 , 3,	6.3	17
47	Fluorescence properties of polyamines bearing two terminal quinoline fragments in water. <i>Tetrahedron</i> , 2010 , 66, 5594-5601	2.4	16
46	Photochemical Desulfurization of Light Oils Using Oil/Hydrogen Peroxide Aqueous Solution Extraction System: Application for High Sulfur Content Straight-Run Light Gas Oil and Aromatic Rich Light Cycle Oil.. <i>Journal of Chemical Engineering of Japan</i> , 1999 , 32, 158-161	0.8	16

45	Polythiophene-Doped Resorcinol-Formaldehyde Resin Photocatalysts for Solar-to-Hydrogen Peroxide Energy Conversion. <i>Journal of the American Chemical Society</i> , 2021 , 143, 12590-12599	16.4	16
44	A pyrylium-floumarin dyad as a colorimetric receptor for ratiometric detection of cyanide anions by two absorption bands in the visible region. <i>New Journal of Chemistry</i> , 2016 , 40, 195-201	3.6	15
43	Naphthalimide-floumarin conjugate: ratiometric fluorescent receptor for self-calibrating quantification of cyanide anions in cells. <i>RSC Advances</i> , 2017 , 7, 32304-32309	3.7	15
42	Titanium Oxide-based Photocatalysts for Selective Organic Transformations. <i>Journal of the Japan Petroleum Institute</i> , 2012 , 55, 287-298	1	15
41	Visible light-induced highly selective transformation of olefin to ketone by 2,4,6-triphenylpyrylium cation encapsulated within zeolite Y. <i>Chemical Communications</i> , 2006 , 773-5	5.8	15
40	A coumarin-dihydroperimidine dye as a fluorescent chemosensor for hypochlorite in 99% water.. <i>RSC Advances</i> , 2019 , 9, 28636-28641	3.7	14
39	Light-Triggered Self-Assembly of Gold Nanoparticles Based on Photoisomerization of Spirothiopyran. <i>Angewandte Chemie</i> , 2013 , 125, 8462-8466	3.6	14
38	Highly efficient methyl ketone synthesis with photoactivated acetone and olefins assisted by Mg(II)-exchanged zeolite Y. <i>Journal of Organic Chemistry</i> , 2010 , 75, 1450-7	4.2	14
37	Effects of alkyl chain length on Cu(II)-selective green fluorescence of rhodamine-fluoroacetic acid conjugates. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009 , 205, 215-220	4.7	14
36	Photochemical Production of Biphenyls from Oxidized Sulfur Compounds Obtained by Oxidative Desulfurization of Light Oils. <i>Energy & Fuels</i> , 2003 , 17, 95-100	4.1	14
35	One-pot synthesis of secondary amines from alcohols and nitroarenes on TiO ₂ loaded with Pd nanoparticles under UV irradiation. <i>New Journal of Chemistry</i> , 2015 , 39, 2467-2473	3.6	13
34	Photocatalytic hydrogenolysis of epoxides using alcohols as reducing agents on TiO ₂ loaded with Pt nanoparticles. <i>Chemical Communications</i> , 2015 , 51, 2294-7	5.8	13
33	Fluorometric Detection of pH and Metal Cations by 1,4,7,10-Tetraazacyclododecane (Cyclen) Bearing Two Anthrylmethyl Groups. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 847-851	3.9	13
32	Doping of Nb Species at the Au-TiO Interface for Plasmonic Photocatalysis Enhancement. <i>Langmuir</i> , 2019 , 35, 5455-5462	4	12
31	Effects of substituents on fluorometric detection of cyanide anions by indolium-coumarin dyads. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 25027-36	3.6	12
30	Photocatalytic secondary amine synthesis from azobenzenes and alcohols on TiO ₂ loaded with Pd nanoparticles. <i>New Journal of Chemistry</i> , 2015 , 39, 2856-2860	3.6	12
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| 16 | Effects of poly-N-isopropylacrylamide on fluorescence properties of CdS/Cd(OH) ₂ nanoparticles in water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009 , 205, 51-56 | 4.7 | 4 |
| 15 | Heterogeneous Fluorometric Detection of pH and Metal Cations by Amphiphilic Zeolite Modified with Anthracene-Substituted Azamacrocyclic. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 6064-6069 | 3.9 | 4 |
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