

# Yasuhiro Shiraishi

## List of Publications by Year in descending order

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167  
papers

13,355  
citations

20797

60  
h-index

23514

111  
g-index

184  
all docs

184  
docs citations

184  
times ranked

12592  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	6.6	721
2	Gold Nanoparticles Located at the Interface of Anatase/Rutile TiO <sub>2</sub> Particles as Active Plasmonic Photocatalysts for Aerobic Oxidation. <i>Journal of the American Chemical Society</i> , 2012, 134, 6309-6315.	6.6	610
3	Highly Selective Production of Hydrogen Peroxide on Graphitic Carbon Nitride (g-C <sub>3</sub> N <sub>4</sub> ) Photocatalyst Activated by Visible Light. <i>ACS Catalysis</i> , 2014, 4, 774-780.	5.5	580
4	Sunlight-Driven Hydrogen Peroxide Production from Water and Molecular Oxygen by Metal-Free Photocatalysts. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13454-13459.	7.2	467
5	Resorcinol-formaldehyde resins as metal-free semiconductor photocatalysts for solar-to-hydrogen peroxide energy conversion. <i>Nature Materials</i> , 2019, 18, 985-993.	13.3	429
6	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, 10019-10025.	6.6	406
7	Photocatalytic H <sub>2</sub> O <sub>2</sub> Production from Ethanol/O <sub>2</sub> System Using TiO <sub>2</sub> Loaded with Au-Ag Bimetallic Alloy Nanoparticles. <i>ACS Catalysis</i> , 2012, 2, 599-603.	5.5	361
8	Cu(II)-Selective Green Fluorescence of a Rhodamine-Diacetic Acid Conjugate. <i>Organic Letters</i> , 2007, 9, 5039-5042.	2.4	335
9	Selective organic transformations on titanium oxide-based photocatalysts. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2008, 9, 157-170.	5.6	315
10	Effects of Surface Defects on Photocatalytic H <sub>2</sub> O <sub>2</sub> Production by Mesoporous Graphitic Carbon Nitride under Visible Light Irradiation. <i>ACS Catalysis</i> , 2015, 5, 3058-3066.	5.5	289
11	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.	5.5	282
12	Au Nanoparticles Supported on BiVO <sub>4</sub> : Effective Inorganic Photocatalysts for H <sub>2</sub> O <sub>2</sub> Production from Water and O <sub>2</sub> under Visible Light. <i>ACS Catalysis</i> , 2016, 6, 4976-4982.	5.5	272
13	Adsorption-Driven Photocatalytic Activity of Mesoporous Titanium Dioxide. <i>Journal of the American Chemical Society</i> , 2005, 127, 12820-12822.	6.6	259
14	A Rhodamine-Cyclen Conjugate as a Highly Sensitive and Selective Fluorescent Chemosensor for Hg(II). <i>Journal of Organic Chemistry</i> , 2008, 73, 8571-8574.	1.7	251
15	One-Pot Synthesis of Benzimidazoles by Simultaneous Photocatalytic and Catalytic Reactions on Pt@TiO <sub>2</sub> Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1656-1660.	7.2	191
16	Highly sensitive cyanide anion detection with a coumarin-spiropyran conjugate as a fluorescent receptor. <i>Chemical Communications</i> , 2011, 47, 4953.	2.2	188
17	Pt-Cu Bimetallic Alloy Nanoparticles Supported on Anatase TiO <sub>2</sub> : Highly Active Catalysts for Aerobic Oxidation Driven by Visible Light. <i>ACS Nano</i> , 2013, 7, 9287-9297.	7.3	187
18	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, 5295-5299.	7.2	176

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19	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, 15255-15258.	2.2	168
20	Selective Hydrogen Peroxide Formation by Titanium Dioxide Photocatalysis with Benzylic Alcohols and Molecular Oxygen in Water. <i>ACS Catalysis</i> , 2013, 3, 2222-2227.	5.5	157
21	Selective Nitrate-to-Ammonia Transformation on Surface Defects of Titanium Dioxide Photocatalysts. <i>ACS Catalysis</i> , 2017, 7, 3713-3720.	5.5	150
22	Spiropyran as a Selective, Sensitive, and Reproducible Cyanide Anion Receptor. <i>Organic Letters</i> , 2009, 11, 3482-3485.	2.4	144
23	Rhodamine-Based Fluorescent Thermometer Exhibiting Selective Emission Enhancement at a Specific Temperature Range. <i>Organic Letters</i> , 2007, 9, 3921-3924.	2.4	142
24	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.	6.6	140
25	Hot-Electron-Induced Highly Efficient O <sub>2</sub> Activation by Pt Nanoparticles Supported on Ta <sub>2</sub> O <sub>5</sub> Driven by Visible Light. <i>Journal of the American Chemical Society</i> , 2015, 137, 9324-9332.	6.6	139
26	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.	1.3	133
27	Highly Efficient and Selective Hydrogenation of Nitroaromatics on Photoactivated Rutile Titanium Dioxide. <i>ACS Catalysis</i> , 2012, 2, 2475-2481.	5.5	131
28	A new rhodamine-based fluorescent chemosensor for transition metal cations synthesized by one-step facile condensation. <i>Tetrahedron Letters</i> , 2007, 48, 5455-5459.	0.7	130
29	N-Monoalkylation of Amines with Alcohols by Tandem Photocatalytic and Catalytic Reactions on TiO <sub>2</sub> Loaded with Pd Nanoparticles. <i>ACS Catalysis</i> , 2013, 3, 312-320.	5.5	128
30	One-pot synthesis of imines from alcohols and amines with TiO <sub>2</sub> loading Pt nanoparticles under UV irradiation. <i>Chemical Communications</i> , 2011, 47, 4811.	2.2	113
31	A Hemicyanine-Conjugated Copolymer as a Highly Sensitive Fluorescent Thermometer. <i>Langmuir</i> , 2008, 24, 4273-4279.	1.6	107
32	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.	2.5	103
33	Spiropyran-Conjugated Thermoresponsive Copolymer as a Colorimetric Thermometer with Linear and Reversible Color Change. <i>Organic Letters</i> , 2009, 11, 1571-1574.	2.4	102
34	Selective Photocatalytic Oxidation of Alcohols to Aldehydes in Water by TiO <sub>2</sub> Partially Coated with WO <sub>3</sub> . <i>Chemistry - A European Journal</i> , 2011, 17, 9816-9824.	1.7	99
35	Hydrogen Peroxide Production on a Carbon Nitride-Boron Nitride-Reduced Graphene Oxide Hybrid Photocatalyst under Visible Light. <i>ChemCatChem</i> , 2018, 10, 2070-2077.	1.8	97
36	A BODIPY-based fluorescent chemodosimeter for Cu(II) driven by an oxidative dehydrogenation mechanism. <i>Chemical Communications</i> , 2011, 47, 2673.	2.2	96

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37	Polythiophene-Doped Resorcinolâ€‘Formaldehyde Resin Photocatalysts for Solar-to-Hydrogen Peroxide Energy Conversion. <i>Journal of the American Chemical Society</i> , 2021, 143, 12590-12599.	6.6	96
38	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.	5.5	95
39	A Molecular Switch with pH-Controlled Absolutely Switchable Dual-Mode Fluorescence. <i>Organic Letters</i> , 2005, 7, 2611-2614.	2.4	94
40	Vanadosilicate Molecular Sieve as a Catalyst for Oxidative Desulfurization of Light Oil. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 6034-6039.	1.8	92
41	Mellitic Triimide-Doped Carbon Nitride as Sunlight-Driven Photocatalysts for Hydrogen Peroxide Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6478-6485.	3.2	92
42	Titanium Dioxide/Reduced Graphene Oxide Hybrid Photocatalysts for Efficient and Selective Partial Oxidation of Cyclohexane. <i>ACS Catalysis</i> , 2017, 7, 293-300.	5.5	91
43	BODIPY-Conjugated Thermoresponsive Copolymer as a Fluorescent Thermometer Based on Polymer Microviscosity. <i>Langmuir</i> , 2009, 25, 13176-13182.	1.6	90
44	Visible light-induced partial oxidation of cyclohexane on WO <sub>3</sub> loaded with Pt nanoparticles. <i>Catalysis Science and Technology</i> , 2012, 2, 400-405.	2.1	84
45	Thermoresponsive Copolymer Containing a Coumarinâ€‘Spiropyran Conjugate: Reusable Fluorescent Sensor for Cyanide Anion Detection in Water. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 4649-4656.	4.0	82
46	A fluorescent molecular logic gate with multiply-configurable dual outputs. <i>Chemical Communications</i> , 2005, , 5316.	2.2	81
47	Lightâ€‘Triggered Selfâ€‘Assembly of Gold Nanoparticles Based on Photoisomerization of Spirothiopyran. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8304-8308.	7.2	80
48	pH- and H <sub>2</sub> O-Driven Triple-Mode Pyrene Fluorescence. <i>Organic Letters</i> , 2006, 8, 3841-3844.	2.4	79
49	Quantum tunneling injection of hot electrons in Au/TiO <sub>2</sub> plasmonic photocatalysts. <i>Nanoscale</i> , 2017, 9, 8349-8361.	2.8	75
50	Coumarinâ€‘Spiropyran Dyad with a Hydrogenated Pyran Moiety for Rapid, Selective, and Sensitive Fluorometric Detection of Cyanide Anion. <i>Analytical Chemistry</i> , 2016, 88, 6805-6811.	3.2	74
51	Spiropyran-Modified Gold Nanoparticles: Reversible Size Control of Aggregates by UV and Visible Light Irradiations. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 7554-7562.	4.0	73
52	Titanosilicate Molecular Sieve for Size-Screening Photocatalytic Conversion. <i>Journal of the American Chemical Society</i> , 2005, 127, 8304-8306.	6.6	70
53	A Novel Desulfurization Process for Fuel Oils Based on the Formation and Subsequent Precipitation of S-Alkylsulfonium Salts. 1. Light Oil Feedstocks. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 1213-1224.	1.8	69
54	Selective Photocatalytic Oxidation of Aniline to Nitrosobenzene by Pt Nanoparticles Supported on TiO <sub>2</sub> under Visible Light Irradiation. <i>ACS Catalysis</i> , 2014, 4, 2418-2425.	5.5	69

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55	Highly efficient photocatalytic dehalogenation of organic halides on TiO <sub>2</sub> loaded with bimetallic Pd-Pt alloy nanoparticles. <i>Chemical Communications</i> , 2011, 47, 7863.	2.2	67
56	Fe(III)- and Hg(II)-selective dual channel fluorescence of a rhodamine-azacrown ether conjugate. <i>Tetrahedron Letters</i> , 2008, 49, 4178-4181.	0.7	66
57	A BODIPY-indole conjugate as a colorimetric and fluorometric probe for selective fluoride anion detection. <i>Tetrahedron Letters</i> , 2009, 50, 4293-4296.	0.7	66
58	Rutile Crystallites Isolated from Degussa (Evonik) P25 TiO <sub>2</sub> : Highly Efficient Photocatalyst for Chemoselective Hydrogenation of Nitroaromatics. <i>ACS Catalysis</i> , 2013, 3, 2318-2326.	5.5	65
59	Photocatalytic hydrogen peroxide splitting on metal-free powders assisted by phosphoric acid as a stabilizer. <i>Nature Communications</i> , 2020, 11, 3386.	5.8	65
60	Desulfurization of Vacuum Gas Oil Based on Chemical Oxidation Followed by Liquid-Liquid Extraction. <i>Energy &amp; Fuels</i> , 2004, 18, 37-40.	2.5	62
61	Separation of Transition Metals Using Inorganic Adsorbents Modified with Chelating Ligands. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 5065-5070.	1.8	57
62	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.	1.5	57
63	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, 1474-1482.	1.1	56
64	Solar-to-hydrogen peroxide energy conversion on resorcinol-formaldehyde resin photocatalysts prepared by acid-catalysed polycondensation. <i>Communications Chemistry</i> , 2020, 3, .	2.0	55
65	Hg(II)-Selective Excimer Emission of a Bisnaphthyl Azadiene Derivative. <i>Organic Letters</i> , 2007, 9, 3125-3128.	2.4	52
66	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, 11583-11586.	2.2	52
67	Effect of Photosensitizer and Hydrogen Peroxide on Desulfurization of Light Oil by Photochemical Reaction and Liquid-Liquid Extraction. <i>Industrial &amp; Engineering Chemistry Research</i> , 1997, 36, 530-533.	1.8	51
68	A fluorescent chemosensor for wide-range pH detection. <i>Chemical Communications</i> , 2005, , 5313.	2.2	51
69	Indole-azadiene conjugate as a colorimetric and fluorometric probe for selective fluoride ion sensing. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2072.	1.5	50
70	Local Viscosity Analysis of Triblock Copolymer Micelle with Cyanine Dyes as a Fluorescent Probe. <i>Langmuir</i> , 2010, 26, 17505-17512.	1.6	48
71	Visible light-induced desulfurization technique for light oil. <i>Chemical Communications</i> , 1998, , 2601-2602.	2.2	47
72	Acetonitrile-assisted highly selective photocatalytic epoxidation of olefins on Ti-containing silica with molecular oxygen. <i>Chemical Communications</i> , 2005, , 5977.	2.2	47

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73	Colorimetric sensing of cyanide anion in aqueous media with a fluorescein-spiropyran conjugate. <i>Tetrahedron</i> , 2012, 68, 690-696.	1.0	47
74	Photocatalytic Dehalogenation of Aromatic Halides on Ta <sub>2</sub> O <sub>5</sub> -Supported Pt-Pd Bimetallic Alloy Nanoparticles Activated by Visible Light. <i>ACS Catalysis</i> , 2017, 7, 5194-5201.	5.5	47
75	Visible light-induced selective oxidation of cyclohexane to cyclohexanone on Cr-Si binary oxide with molecular oxygen. <i>Chemical Communications</i> , 2005, , 4569.	2.2	46
76	Ti-Containing Mesoporous Organosilica as a Photocatalyst for Selective Olefin Epoxidation. <i>Journal of Physical Chemistry B</i> , 2006, 110, 17898-17905.	1.2	46
77	A quinoline-polyamine conjugate as a fluorescent chemosensor for quantitative detection of Zn(II) in water. <i>Tetrahedron Letters</i> , 2007, 48, 7769-7773.	0.7	46
78	Selective fluorometric detection of aromatic thiols by a chemosensor containing two electrophilic sites with different local softness. <i>Chemical Communications</i> , 2013, 49, 11680.	2.2	46
79	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 &amp; Engineering Chemistry Research</i> , 1999, 38, 1589-1595.	1.8	45
80	Colorimetric Sensing of Cu(II) in Aqueous Media with a Spiropyran Derivative via a Oxidative Dehydrogenation Mechanism. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 3456-3463.	4.0	45
81	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 &amp; Interfaces</i> , 2015, 7, 3797-3806.	4.0	44
82	Temperature-Driven Oxygenation Rate Control by Polymeric Photosensitizer. <i>Journal of the American Chemical Society</i> , 2006, 128, 8751-8753.	6.6	41
83	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.	0.7	41
84	Photoreductive synthesis of monodispersed Au nanoparticles with citric acid as reductant and surface stabilizing reagent. <i>RSC Advances</i> , 2017, 7, 6187-6192.	1.7	41
85	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 &amp; Engineering Chemistry Research</i> , 1999, 38, 3300-3309.	1.8	39
86	Multicolor Fluorescence of a Styrylquinoline Dye Tuned by Metal Cations. <i>Chemistry - A European Journal</i> , 2011, 17, 8324-8332.	1.7	39
87	Bis-azamacrocyclic Anthracene as a Fluorescent Chemosensor for Cations in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19139-19147.	1.2	37
88	Visible Light-Induced Deep Desulfurization Process for Light Oils by Photochemical Electron-Transfer Oxidation in an Organic Two-Phase Extraction System. <i>Industrial &amp; Engineering Chemistry Research</i> , 1999, 38, 3310-3318.	1.8	36
89	Selective Photocatalytic Transformations on Microporous Titanosilicate ETS-10 Driven by Size and Polarity of Molecules. <i>Langmuir</i> , 2008, 24, 12658-12663.	1.6	36
90	Selective side-chain oxidation of alkyl-substituted aromatics on TiO <sub>2</sub> partially coated with WO <sub>3</sub> as a photocatalyst. <i>Catalysis Science and Technology</i> , 2013, 3, 2270.	2.1	36

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91	Spiropyran as a reusable chemosensor for selective colorimetric detection of aromatic thiols. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12137-12142.	1.3	36
92	Colorimetric response of spiropyran derivative for anions in aqueous or organic media. <i>Tetrahedron</i> , 2011, 67, 891-897.	1.0	35
93	A Triethylenetetramine Bearing Anthracene and Benzophenone as a Fluorescent Molecular Logic Gate with Either a Switchable Dual Logic Functions. <i>Journal of Physical Chemistry B</i> , 2006, 110, 21596-21602.	1.2	34
94	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, 5090-5100.	1.2	34
95	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.	2.2	34
96	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.	2.2	34
97	Noble-Metal-Free Deoxygenation of Epoxides: Titanium Dioxide as a Photocatalytically Regenerable Electron-Transfer Catalyst. <i>ACS Catalysis</i> , 2014, 4, 1642-1649.	5.5	32
98	Visible Light-Induced Partial Oxidation of Olefins on Cr-Containing Silica with Molecular Oxygen. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6257-6263.	1.2	31
99	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, 8812-8822.	1.2	31
100	Photocatalytic NH <sub>3</sub> Splitting on TiO <sub>2</sub> Particles Decorated with Pt-Au Bimetallic Alloy Nanoparticles. <i>ACS Applied Nano Materials</i> , 2020, 3, 1612-1620.	2.4	31
101	Unmodified fluorescein as a fluorescent chemosensor for fluoride ion detection. <i>Tetrahedron Letters</i> , 2007, 48, 8803-8806.	0.7	30
102	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.	2.0	29
103	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.	1.5	29
104	Photocatalytic hydrogenation of azobenzene to hydrazobenzene on cadmium sulfide under visible light irradiation. <i>Chemical Communications</i> , 2018, 54, 452-455.	2.2	29
105	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, 259-271.	1.7	28
106	A Novel Desulfurization Process for Fuel Oils Based on the Formation and Subsequent Precipitation of S-Alkylsulfonium Salts. 2. Catalytic-Cracked Gasoline. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 1225-1233.	1.8	27
107	Photosensitized Oxygenation of Sulfides within an Amphiphilic Dendrimer Containing a Benzophenone Core. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8580-8586.	1.2	27
108	Vanadium-Containing Mesoporous Silica of High Photocatalytic Activity and Stability Even in Water. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6587-6594.	1.2	27

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109	Effect of substrate polarity on photocatalytic activity of titanium dioxide particles embedded in mesoporous silica. <i>Journal of Catalysis</i> , 2009, 264, 175-182.	3.1	27
110	Photocatalytic Dinitrogen Reduction with Water on Boron-Doped Carbon Nitride Loaded with Nickel Phosphide Particles. <i>Langmuir</i> , 2020, 36, 734-741.	1.6	27
111	A benzoxadiazole-thiourea conjugate as a fluorescent chemodosimeter for Hg(II) in aqueous media. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 219, 154-158.	2.0	26
112	Temperature-driven on/off fluorescent indicator of pH window: an anthracene-conjugated thermoresponsive polymer. <i>Tetrahedron Letters</i> , 2007, 48, 6660-6664.	0.7	25
113	Highly Efficient Methyl Ketone Synthesis by Water-Assisted C-C Coupling between Olefins and Photoactivated Acetone. <i>Organic Letters</i> , 2008, 10, 3117-3120.	2.4	24
114	Selective photooxidation of chlorophenols with molecularly imprinted polymers containing a photosensitizer. <i>New Journal of Chemistry</i> , 2010, 34, 714.	1.4	23
115	Sensitized luminescence of Eu and Tb macrocyclic complexes bearing benzophenone antennae. <i>Journal of Luminescence</i> , 2007, 126, 68-76.	1.5	22
116	Entropy-Driven Thermal Isomerization of Spiropyran in Viscous Media. <i>Journal of Physical Chemistry A</i> , 2011, 115, 9083-9090.	1.1	22
117	Synthesis of Au Nanoparticles with Benzoic Acid as Reductant and Surface Stabilizer Promoted Solely by UV Light. <i>Langmuir</i> , 2017, 33, 13797-13804.	1.6	22
118	A coumarin-dihydroperimidine dye as a fluorescent chemosensor for hypochlorite in 99% water. <i>RSC Advances</i> , 2019, 9, 28636-28641.	1.7	21
119	Doping of Nb <sup>5+</sup> Species at the Au-TiO <sub>2</sub> Interface for Plasmonic Photocatalysis Enhancement. <i>Langmuir</i> , 2019, 35, 5455-5462.	1.6	21
120	Temperature-controlled changeable oxygenation selectivity by singlet oxygen with a polymeric photosensitizer. <i>Chemical Communications</i> , 2007, , 1846.	2.2	20
121	A novel methodology towards deep desulfurization of light oil effected by sulfimides formation. <i>Chemical Communications</i> , 2001, , 1256-1257.	2.2	19
122	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.	1.4	19
123	A pyrylium-coumarin 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.	1.4	19
124	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.	0.3	18
125	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.	2.2	18
126	Hydrophobic Cr-Si mixed oxides as a catalyst for visible light-induced partial oxidation of cyclohexane. <i>New Journal of Chemistry</i> , 2010, 34, 2841.	1.4	18



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127	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, 1450-1457.	1.7	17
128	Titanium Oxide-based Photocatalysts for Selective Organic Transformations. <i>Journal of the Japan Petroleum Institute</i> , 2012, 55, 287-298.	0.4	17
129	One-pot synthesis of secondary amines from alcohols and nitroarenes on TiO <sub>2</sub> loaded with Pd nanoparticles under UV irradiation. <i>New Journal of Chemistry</i> , 2015, 39, 2467-2473.	1.4	17
130	Naphthalimide-coumarin conjugate: ratiometric fluorescent receptor for self-calibrating quantification of cyanide anions in cells. <i>RSC Advances</i> , 2017, 7, 32304-32309.	1.7	17
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