

Yousuke Ooyama

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191 papers	5,283 citations	36 h-index	63 g-index
195 ext. papers	5,699 ext. citations	3.7 avg, IF	5.92 L-index

#	Paper	IF	Citations
191	Molecular Designs and Syntheses of Organic Dyes for Dye-Sensitized Solar Cells. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 2903-2934	3.2	531
190	Photophysical and electrochemical properties, and molecular structures of organic dyes for dye-sensitized solar cells. <i>ChemPhysChem</i> , 2012 , 13, 4032-80	3.2	282
189	Dye-sensitized solar cells based on donor-acceptor π -conjugated fluorescent dyes with a pyridine ring as an electron-withdrawing anchoring group. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7429-33	16.4	214
188	Reversible near-infrared/blue mechanofluorochromism of aminobenzopyranoxanthene. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6436-9	16.4	130
187	Molecular design of mechanofluorochromic dyes and their solid-state fluorescence properties. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8372		123
186	Dye-sensitized solar cells based on donor-acceptor fluorescent dyes with a pyridine ring as an electron-withdrawing-injecting anchoring group. <i>Chemistry - A European Journal</i> , 2011 , 17, 14837-43	4.8	117
185	Electron-Transfer Reaction of Oxygen Species on TiO ₂ Nanoparticles Induced by Sub-band-gap Illumination. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 1240-1245	3.8	106
184	Fluorescence PET (photo-induced electron transfer) sensors for water based on anthracene-boronic acid ester. <i>Chemical Communications</i> , 2011 , 47, 4448-50	5.8	99
183	Heterocyclic quinol-type fluorophores: synthesis, X-ray crystal structures, and solid-state photophysical properties of novel 5-hydroxy-5-substituent-benzo[b]naphtho[1,2-d]furan-6-one and 3-hydroxy-3-substituent-benzo[kl]xanthen-2-one derivatives. <i>Chemistry - A European Journal</i> , 2006 , 12, 7827-38	4.8	90
182	Mechanofluorochromism of a Series of Benzofuro[2,3-c]oxazolo[4,5-a]carbazole-Type Fluorescent Dyes. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 5321-5326	3.2	88
181	Dye-sensitized solar cells based on D- π -A fluorescent dyes with two pyridyl groups as an electron-withdrawing-injecting anchoring group. <i>Chemical Communications</i> , 2013 , 49, 2548-50	5.8	83
180	Detection of water in organic solvents by photo-induced electron transfer method. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 1314-6	3.9	80
179	Electrochemical reduction of graphene oxide in organic solvents. <i>Electrochimica Acta</i> , 2011 , 56, 5363-5368	6.7	80
178	Photovoltaic performance of dye-sensitized solar cells based on D- π -A type BODIPY dye with two pyridyl groups. <i>New Journal of Chemistry</i> , 2013 , 37, 2479	3.6	71
177	Synthesis of Dithienogermole-Containing π -Conjugated Polymers and Applications to Photovoltaic Cells. <i>Organometallics</i> , 2011 , 30, 3233-3236	3.8	69
176	Molecular design of novel non-planar heteropolycyclic fluorophores with bulky substituents: convenient synthesis and solid-state fluorescence characterization. <i>Organic and Biomolecular Chemistry</i> , 2006 , 4, 3406-9	3.9	67
175	Heterocyclic quinol-type fluorophores. Dramatic solid-state fluorescence enhancement behaviour of imidazoanthraquinol-type clathrate hosts upon inclusion of various kinds of organic solvent molecules. <i>New Journal of Chemistry</i> , 2005 , 29, 1204	3.6	66

174	New molecular design of donor-acceptor dyes for dye-sensitized solar cells: control of molecular orientation and arrangement on TiO ₂ surface. <i>New Journal of Chemistry</i> , 2011 , 35, 111-118	3.6	61
173	Lewis-Acid Sites of TiO ₂ Surface for Adsorption of Organic Dye Having Pyridyl Group as Anchoring Unit. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 16364-16370	3.8	60
172	Molecular design and synthesis of fluorescence PET (photo-induced electron transfer) sensors for detection of water in organic solvents. <i>RSC Advances</i> , 2013 , 3, 23255	3.7	60
171	Heterocyclic quinol-type fluorophores. Synthesis of novel imidazoanthraquinol derivatives and their photophysical properties in benzene and in the crystalline state. <i>New Journal of Chemistry</i> , 2005 , 29, 447	3.6	59
170	Fluorescence PET (photo-induced electron transfer) sensor for water based on anthracene-amino acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 222, 52-55	4.7	54
169	Synthesis of Dithienobismoles as Novel Phosphorescence Materials. <i>Organometallics</i> , 2010 , 29, 3239-3243	3.8	53
168	A new cosensitization method using the Lewis acid sites of a TiO ₂ photoelectrode for dye-sensitized solar cells. <i>Chemical Communications</i> , 2014 , 50, 6398-401	5.8	51
167	Mechanofluorochromism of heteropolycyclic donor-acceptor type fluorescent dyes. <i>Tetrahedron</i> , 2010 , 66, 7268-7271	2.4	49
166	Synthesis of new-type donor-acceptor π -conjugated benzofuro[2,3-c]oxazolo[4,5-a]carbazole fluorescent dyes and their photovoltaic performances of dye-sensitized solar cells. <i>Tetrahedron Letters</i> , 2007 , 48, 9167-9170	2	46
165	Heterocyclic quinol-type fluorophores. Part 2. Solid-state fluorescence enhancement behaviour of benzofurano[3,2-b]naphthoquinol-type clathrate hosts upon inclusion of amine molecules. <i>Perkin Transactions II RSC</i> , 2002 , 708-714		44
164	Heterocyclic quinol-type fluorophores. Part 1. Synthesis of new benzofurano[3,2-b]naphthoquinol derivatives and their photophysical properties in solution and in the crystalline state. <i>Perkin Transactions II RSC</i> , 2002 , 700-707		44
163	Development of a D π A dye with benzothienopyridine as the electron-withdrawing anchoring group for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3293-3296	13	43
162	Dye-Sensitized Solar Cells Based on a Novel Fluorescent Dye with a Pyridine Ring and a Pyridinium Dye with the Pyridinium Ring Forming Strong Interactions with Nanocrystalline TiO ₂ Films. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 92-100	3.2	43
161	Synthesis of Bis(diarylphosphino)dithienosilole Derivatives as Novel Photo- and Electroluminescence Materials. <i>Organometallics</i> , 2007 , 26, 6591-6595	3.8	43
160	Synthesis and Solid-State Fluorescence Properties of Structural Isomers of Novel Benzofuro[2,3-c]oxazolocarbazole-Type Fluorescent Dyes. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 3613-3621	3.2	42
159	Photovoltaic performance of dye-sensitized solar cells based on donor-acceptor π -conjugated benzofuro[2,3-c]oxazolo[4,5-a]carbazole-type fluorescent dyes with a carboxyl group at different positions of the chromophore skeleton. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 2046-54	3.9	42
158	Photovoltaic performance of dye-sensitized solar cells based on a series of new-type donor-acceptor π -conjugated sensitizer, benzofuro[2,3-c]oxazolo[4,5-a]carbazole fluorescent dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009 , 203, 177-185	4.7	41
157	Synthesis of Group 14 Dipyrrodimetalloles with Enhanced Electron-Deficient Properties and Solid-State Phosphorescence. <i>Organometallics</i> , 2014 , 33, 517-521	3.8	36

- 156 Development of DπA fluorescent dyes with a catechol group for dye-sensitized solar cells based on dye-to-TiO₂ charge transfer. *Journal of Materials Chemistry A*, **2014**, 2, 8500 13 36
- 155 Highly sensitive fluorescence PET (photo-induced electron transfer) sensor for water based on anthraceneBisboronic acid ester. *RSC Advances*, **2012**, 2, 7666 3.7 36
- 154 Dye-sensitized solar cells based on novel donorBacceptor Bconjugated benzofuro[2,3-c]oxazolo[4,5-a]carbazole-type fluorescent dyes exhibiting solid-state fluorescence. *New Journal of Chemistry*, **2007**, 31, 2076 3.6 36
- 153 A BODIPY sensor for water based on a photo-induced electron transfer method with fluorescence enhancement and attenuation systems. *New Journal of Chemistry*, **2016**, 40, 7278-7281 3.6 35
- 152 Heterocyclic Quinol-Type Fluorophores: Solid-State Fluorescence Change in Crystals of Benzo[b]naphtho[1,2-d]furan-6-one-Type Fluorophore upon Inclusion of Organic Solvent Molecules. *European Journal of Organic Chemistry*, **2008**, 2008, 2564-2570 3.2 34
- 151 Development of highly-sensitive fluorescence PET (photo-induced electron transfer) sensor for water: anthraceneBoronic acid ester. *RSC Advances*, **2014**, 4, 25330 3.7 33
- 150 Dramatic Effects of the Substituents on the Solid-state Fluorescence Properties of Structural Isomers of Novel Benzofuro[2,3-c]oxazolocarbazole-type Fluorophores. *Chemistry Letters*, **2006**, 35, 902-903 1.7 33
- 149 Synthesis, characterization, and photovoltaic applications of dithienogermole-dithienylbenzothiadiazole and -dithienylthiazolothiazole copolymers. *Polymer*, **2011**, 52, 3912-3916 3.9 31
- 148 Hybrid conjugated polymers with alternating dithienosilole or dithienogermole and tricoordinate boron units. *Polymer Chemistry*, **2018**, 9, 291-299 4.9 31
- 147 Synthesis and Properties of Benzofuran-Fused Silole and Germole Derivatives: Reversible Dimerization and Crystal Structures of Monomers and Dimers. *Organometallics*, **2016**, 35, 2327-2332 3.8 30
- 146 Water-tunable solvatochromic and nanoaggregate fluorescence: dual colour visualisation and quantification of trace water in tetrahydrofuran. *Physical Chemistry Chemical Physics*, **2017**, 19, 1209-1216 3.6 30
- 145 Synthesis and fluorescence and electrochemical properties of D-pi-A structural isomers of benzofuro[2,3-c]oxazolo[4,5-a]carbazole-type and benzofuro[2,3-c]oxazolo[5,4-a]carbazole-type fluorescent dyes. *Organic and Biomolecular Chemistry*, **2010**, 8, 2756-70 3.9 30
- 144 Synthesis of diphenylamino-carbazole substituted BODIPY dyes and their photovoltaic performance in dye-sensitized solar cells. *RSC Advances*, **2013**, 3, 18099 3.7 29
- 143 Synthesis, Optical Properties, and Crystal Structures of Dithienostannoles. *Organometallics*, **2013**, 32, 4136-4141 3.8 29
- 142 The design of a novel fluorescent PET sensor for proton and water: A phenylaminonaphtho[1,2-d]oxazol-2-yl-type fluorophore containing proton donor and acceptor groups. *Dyes and Pigments*, **2009**, 82, 58-64 4.6 29
- 141 ESR Study on the Reversible Electron Transfer from O₂ to Ti⁴⁺ on TiO₂ Nanoparticles Induced by Visible-Light Illumination. *Journal of Physical Chemistry C*, **2009**, 113, 1160-1163 3.8 29
- 140 TetraphenyletheneBd diphenyldibenzofulveneBanthracene-based fluorescence sensors possessing photo-induced electron transfer and aggregation-induced emission enhancement characteristics for detection of water. *New Journal of Chemistry*, **2018**, 42, 13339-13350 3.6 28
- 139 A colorimetric and fluorescent sensor for water in acetonitrile based on intramolecular charge transfer: D-(BA)-type pyridine-boron trifluoride complex. *Chemical Communications*, **2018**, 54, 10144-10147 5.8 28

138	Solvatochromism of novel donor-acceptor type pyridinium dyes in halogenated and non-halogenated solvents. <i>New Journal of Chemistry</i> , 2009 , 33, 2311	3.6	28
137	Fluorescence sensor for water based on PET (photo-induced electron transfer): Anthracene-bis(aminomethyl)phenylboronic acid ester. <i>Dyes and Pigments</i> , 2015 , 123, 248-253	4.6	27
136	Design and syntheses of highly emissive aminobenzopyrano-xanthene dyes in the visible and far-red regions. <i>Organic Letters</i> , 2014 , 16, 258-61	6.2	27
135	Solid-State Fluorescence Changes of 2-(4-Cyanophenyl)-5-[4-(diethylamino)phenyl]-3H-imidazo[4,5-a]naphthalene upon Inclusion of Organic Solvent Molecules. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 5899-5906	3.2	27
134	Electrosynthesis and charge-transport properties of poly(3,4-ethylenedioxy-2,2':5,2'-terthiophene). <i>Materials Chemistry and Physics</i> , 2012 , 131, 752-756	4.4	26
133	Improvement of photovoltages in organic dye-sensitized solar cells by Li intercalation in particulate TiO ₂ electrodes. <i>Applied Physics Letters</i> , 2007 , 90, 103517	3.4	25
132	Synthesis of organic photosensitizers containing dithienogermole and thiadiazolo[3,4-c]pyridine units for dye-sensitized solar cells. <i>Dalton Transactions</i> , 2016 , 45, 13817-26	4.3	25
131	Synthesis, Properties, and Polymerization of Spiro[(dipyridinogermole)(dithienogermole)]. <i>Organometallics</i> , 2016 , 35, 20-26	3.8	24
130	BODIPY dye possessing solid-state red fluorescence and green metallic luster properties in both crystalline and amorphous states. <i>RSC Advances</i> , 2014 , 4, 1163-1167	3.7	24
129	Specific solvatochromism of DEA type pyridinium dyes bearing various counter anions in halogenated solvents. <i>Tetrahedron</i> , 2013 , 69, 1755-1760	2.4	24
128	Heterocyclic quinol-type fluorophores. Part 9: Effect of forming a continuous intermolecular hydrogen bonding chain between fluorophores on the solid-state fluorescence properties. <i>Tetrahedron</i> , 2010 , 66, 7954-7960	2.4	24
127	Attachment of Disilanylene-Oligothiophene Polymers on TiO ₂ Surface by Photochemical Cleavage of the Si-Si Bonds. <i>Chemistry Letters</i> , 2008 , 37, 316-317	1.7	24
126	Control of Molecular Arrangement and/or Orientation of D _A Fluorescent Dyes for Dye-sensitized Solar Cells. <i>Chemistry Letters</i> , 2012 , 41, 1384-1396	1.7	23
125	Preparation and Reactions of Dichlorodithienogermoles. <i>Organometallics</i> , 2015 , 34, 5609-5614	3.8	22
124	Effective co-sensitization using D _A dyes with a pyridyl group adsorbing at Brønsted acid sites and Lewis acid sites on a TiO ₂ surface for dye-sensitized solar cells. <i>RSC Advances</i> , 2015 , 5, 2531-2535	3.7	22
123	Synthesis, optical and electrochemical properties, and photovoltaic performance of a panchromatic and near-infrared (D) ₂ A type BODIPY dye with pyridyl group or cyanoacrylic acid. <i>RSC Advances</i> , 2017 , 7, 13072-13081	3.7	21
122	In situ conductivity measurements of polythiophene partially containing 3,4-ethylenedioxythiophene and 3-hexylthiophene. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 71-76	2.6	21
121	Dye-sensitized solar cells based on a functionally separated D _A fluorescent dye with an aldehyde as an electron-accepting group. <i>New Journal of Chemistry</i> , 2013 , 37, 2336	3.6	21

120	Synthesis of organosilicon polymers containing donor-acceptor type π -conjugated units and their applications to dye-sensitized solar cells. <i>Journal of Organometallic Chemistry</i> , 2007 , 692, 801-805	2.3	21
119	Aggregation-induced emission (AIE) characteristic of water-soluble tetraphenylethene (TPE) bearing four sulfonate salts. <i>New Journal of Chemistry</i> , 2017 , 41, 4747-4749	3.6	20
118	Synthesis of conjugated D-A polymers bearing bi(dithienogermole) as a new donor component and their applications to polymer solar cells and transistors. <i>RSC Advances</i> , 2015 , 5, 12686-12691	3.7	20
117	Synthesis, optical, electrochemical and photovoltaic properties of a D-A fluorescent dye with triazine ring as electron-withdrawing anchoring group for dye-sensitized solar cells. <i>RSC Advances</i> , 2015 , 5, 21012-21018	3.7	20
116	Development of type-I/type-II hybrid dye sensitizer with both pyridyl group and catechol unit as anchoring group for type-I/type-II dye-sensitized solar cell. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 30662-30676	3.6	20
115	Development of D-A dyes with a pyrazine ring as an electron-withdrawing anchoring group for dye-sensitized solar cells. <i>RSC Advances</i> , 2014 , 4, 30225	3.7	20
114	Synthesis and Optical Properties of Dithienostiboles. <i>Chemistry Letters</i> , 2012 , 41, 1002-1003	1.7	20
113	A facile synthesis of solid-emissive fluorescent dyes: dialkylbenzo[b]naphtho[2,1-d]furan-6-one-type fluorophores with strong blue and green fluorescence emission properties. <i>Tetrahedron Letters</i> , 2007 , 48, 5791-5793	2	20
112	Solid-emissive fluorophores constructed by a non-planar heteropolycyclic structure with bulky substituents: synthesis and X-ray crystal structures. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 1260-9	3.9	20
111	Influence of extended π -conjugation units on carrier mobilities in conducting polymers. <i>Chemical Physics Letters</i> , 2006 , 420, 387-390	2.5	20
110	Synthesis of dithienosilole-based highly photoluminescent donor-acceptor type compounds. <i>Dalton Transactions</i> , 2013 , 42, 3646-52	4.3	19
109	A New Class of Fluorescent Dye for Sensing Water in Organic Solvents by Photo-Induced Electron Transfer [A (Phenylamino)naphtho[1,2-d]oxazol-2-yl-Type Fluorophore with both Proton-Binding and Proton-Donating Sites. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 5239-5243	3.2	19
108	Synthesis and electrical properties of novel oligothiophenes partially containing 3,4-ethylenedioxythiophenes. <i>RSC Advances</i> , 2014 , 4, 2501-2508	3.7	18
107	Effect of Substituents in Catechol Dye Sensitizers on Photovoltaic Performance of Type II Dye-Sensitized Solar Cells. <i>ChemPhysChem</i> , 2015 , 16, 3049-57	3.2	18
106	Group 14 Dithienometallore-Linked Ethynylene-Conjugated Porphyrin Dimers. <i>Inorganic Chemistry</i> , 2016 , 55, 7432-41	5.1	17
105	Synthesis and specific solvatochromism of D-A type pyridinium dye. <i>Tetrahedron</i> , 2012 , 68, 8577-8580	2.4	17
104	Synthesis and optical and photovoltaic properties of dithienosilole-dithienylpyridine and dithienosilole-pyridine alternate polymers and polymer-B(C ₆ F ₅) ₃ complexes. <i>Polymer Journal</i> , 2013 , 45, 1153-1158	2.7	17
103	Solid-state fluorescence properties and mechanofluorochromism of D-A pyridinium dyes bearing various counter anions. <i>Tetrahedron</i> , 2013 , 69, 5818-5822	2.4	17

102	Development of a functionally separated D π A fluorescent dye with a pyrazyl group as an electron-accepting group for dye-sensitized solar cells. <i>Organic Chemistry Frontiers</i> , 2015 , 2, 552-559	5.2	16
101	A new co-sensitization method employing D π A dye with pyridyl group and D π Aat dye with catechol unit for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2015 , 122, 40-45	4.6	16
100	Synthesis of D π A polymers with a disilanobithiophene donor and a pyridine or pyrazine acceptor and their applications to dye-sensitized solar cells. <i>RSC Advances</i> , 2015 , 5, 36673-36679	3.7	16
99	Mechanofluorochromism of carbazole-type D π A fluorescent dyes. <i>Tetrahedron</i> , 2012 , 68, 529-533	2.4	16
98	Synthesis of Poly(dithienogermole)s. <i>Organometallics</i> , 2016 , 35, 2333-2338	3.8	16
97	Development of a Dual-Fluorescence Emission Sensor Based on Photo-Induced Electron Transfer and Aggregation-Induced Emission Enhancement for Detection of Water. <i>ChemistrySelect</i> , 2017 , 2, 7765-7770	1.8	15
96	Development of D π A Fluorescent Dyes with a 3-Pyridyl Group as Electron-Withdrawing Anchoring Group for Dye-Sensitized Solar Cells. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 3713-3720	3.2	14
95	Photovoltaic performances of type-II dye-sensitized solar cells based on catechol dye sensitizers: retardation of back-electron transfer by PET (photo-induced electron transfer). <i>Materials Chemistry Frontiers</i> , 2017 , 1, 2243-2255	7.8	14
94	Drastic solid-state fluorescence enhancement behaviour of imidazo[4,5-a]naphthalene-type fluorescent hosts upon inclusion of polyethers and tert-butyl alcohol. <i>Tetrahedron</i> , 2009 , 65, 1467-1474	2.4	14
93	Template-free Formation of Microspheres Based on Poly(N-methylaniline). <i>Polymer Journal</i> , 2006 , 38, 732-736	2.7	14
92	Colorimetric and ratiometric fluorescence sensing of water based on 9-methyl pyrido[3,4-b]indole-boron trifluoride complex. <i>Dalton Transactions</i> , 2019 , 48, 2086-2092	4.3	13
91	Dye-sensitized solar cell based on an inclusion complex of a cyclic porphyrin dimer bearing four 4-pyridyl groups and fullerene C60. <i>RSC Advances</i> , 2016 , 6, 16150-16158	3.7	13
90	Oligothiophenes incorporated in a polysilsesquioxane network: application to tunable transparent conductive films. <i>Journal of Materials Chemistry</i> , 2012 , 22, 16407		13
89	Synthesis of Carbazole-Type D π -A Fluorescent Dyes Possessing Solid-State Red Fluorescence Properties. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 4853-4859	3.2	13
88	Charge transport properties of polymer films comprising oligothiophene in silsesquioxane network. <i>Polymer Chemistry</i> , 2011 , 2, 868	4.9	13
87	Drastic Solid-State Fluorescence Enhancement Behaviour of Phenanthro[9,10-d]imidazole-Type Fluorescent Hosts upon Inclusion of Carboxylic Acids. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 5979-5990	3.2	13
86	Single oxygen generation sensitized by spiro(dipyridinogermole)(dithienogermole)s. <i>Dalton Transactions</i> , 2016 , 45, 15679-15683	4.3	13
85	Development of an intramolecular charge transfer-type colorimetric and fluorescence sensor for water by fusion with a julolidine structure and complexation with boron trifluoride.. <i>RSC Advances</i> , 2019 , 9, 31466-31473	3.7	13

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| 84 | Singlet oxygen generation properties of an inclusion complex of cyclic free-base porphyrin dimer and fullerene C60. <i>RSC Advances</i> , 2017 , 7, 18690-18695 | 3.7 | 12 |
| 83 | Synthesis, Properties, and Complex Formation of Antimony- and Bismuth-Bridged Bipyridyls. <i>Organometallics</i> , 2019 , 38, 1516-1523 | 3.8 | 12 |
| 82 | Mitochondria-Targeting Polyamine-Protoporphyrin Conjugates for Photodynamic Therapy. <i>ChemMedChem</i> , 2018 , 13, 15-19 | 3.7 | 12 |
| 81 | Fused π -conjugated imidazolium liquid crystals: synthesis, self-organization, and fluorescence properties. <i>RSC Advances</i> , 2016 , 6, 9152-9159 | 3.7 | 12 |
| 80 | Highly Efficient Cosensitized Plastic-Substrate Dye-Sensitized Solar Cells with Black Dye and Pyridine-Anchor Organic Dye. <i>Bulletin of the Chemical Society of Japan</i> , 2015 , 88, 366-374 | 5.1 | 12 |
| 79 | Development of anchored oligothiophenes on substrates for the application to the tunable transparent conductive films. <i>Polymer</i> , 2009 , 50, 6198-6201 | 3.9 | 12 |
| 78 | Highly efficient organic light-emitting diodes (OLEDs) based on an iridium complex with rigid cyclometalated ligand. <i>Organic Electronics</i> , 2010 , 11, 632-640 | 3.5 | 12 |
| 77 | Synthesis and optical and electrochemical properties of julolidine-structured pyrido[3,4-b]indole dye. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 3565-3574 | 3.6 | 11 |
| 76 | Synthesis of novel dyes having EDOT-containing oligothiophenes as π -linker for panchromatic dye-sensitized solar cells. <i>Synthetic Metals</i> , 2015 , 207, 65-71 | 3.6 | 11 |
| 75 | Development of fluorescent sensors based on a combination of PET (photo-induced electron transfer) and FRET (Förster resonance energy transfer) for detection of water. <i>Materials Advances</i> , 2020 , 1, 354-362 | 3.3 | 11 |
| 74 | Synthesis of Specific Solvatochromic D- π -A Dyes with Pyridinium Ring as Electron-Withdrawing Group for Dye-Sensitized Solar Cells. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 4533-4538 | 3.2 | 11 |
| 73 | Fluorescence sensors for detection of water based on tetraphenylethene- π -anthracene possessing both solvatofluorochromic properties and aggregation-induced emission (AIE) characteristics. <i>New Journal of Chemistry</i> , 2021 , 45, 4164-4173 | 3.6 | 11 |
| 72 | Ligand-Free Copper-Catalyzed Cyano- and Alkynylstannylation of Arynes. <i>ChemistrySelect</i> , 2017 , 2, 3212-3215 | 3.8 | 10 |
| 71 | Fluorescent sensor for water based on photo-induced electron transfer and Förster resonance energy transfer: anthracene-(aminomethyl)phenylboronic acid ester-BODIPY structure.. <i>RSC Advances</i> , 2019 , 9, 15335-15340 | 3.7 | 10 |
| 70 | Highly Efficient Singlet Oxygen Generation and High Oxidation Resistance Enhanced by Arsole-Polymer-Based Photosensitizer: Application as a Recyclable Photooxidation Catalyst. <i>Macromolecules</i> , 2020 , 53, 2006-2013 | 5.5 | 10 |
| 69 | Synthesis of Dipyridinogermylene-Copper Complex as Soluble Phosphorescent Material. <i>Chemistry Letters</i> , 2016 , 45, 502-504 | 1.7 | 10 |
| 68 | Nanosized starlike molecules. Synthesis and optical properties of 2,4,6-tris(disilanylenebithienylene)-1,3,5-triazine derivatives. <i>Journal of Organometallic Chemistry</i> , 2012 , 702, 67-72 | 2.3 | 10 |
| 67 | Phenazine-based photosensitizers for singlet oxygen generation. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 589-596 | 7.8 | 10 |

66	Dithienogermole-containing D π A Photosensitizers for Dye-sensitized Solar Cells. <i>Chemistry Letters</i> , 2017 , 46, 310-312	1.7	9
65	Photoinduced electron injection from an organic dye having a pyridyl anchor to Lewis acid site of TiO ₂ surface. <i>RSC Advances</i> , 2015 , 5, 71387-71392	3.7	9
64	Development of D π A dye with (pyridiniumyl)alkanesulfonate as electron-withdrawing anchoring group for dye-sensitized solar cell. <i>Dyes and Pigments</i> , 2015 , 123, 349-354	4.6	9
63	Preparation and Photoinduced Energy and Electron Transfer of Donor-Silicon-Acceptor Polymers. <i>Asian Journal of Organic Chemistry</i> , 2014 , 3, 170-175	3	9
62	Synthesis of disilanylene polymers with donor-acceptor-type π -conjugated units and applications to dye-sensitized solar cells. <i>Journal of Organometallic Chemistry</i> , 2012 , 719, 30-35	2.3	9
61	Development of a simple method for fabrication of transparent conductive films with high mechanical strength. <i>Science and Technology of Advanced Materials</i> , 2012 , 13, 045005	7.1	9
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