

Yousuke Ooyama

List of Publications by Year in Descending Order

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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.

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	Mechanofluorochromism of (D- <i>E</i>)-A-type azine-based fluorescent dyes.. <i>RSC Advances</i> , 2022 , 12, 13797-13809	3.9	0
190	Development of highly sensitive fluorescent sensor and fluorescent sensor-doped polymer films for trace amounts of water based on photo-induced electron transfer. <i>Materials Advances</i> , 2021 , 2, 7662-7670	3.3	1
189	Synthesis, photophysical and electrochemical properties of 1,1',3,3'-tetrasubstituted-4,4'-bibenzo[<i>c</i>]thiophene derivatives with different substituents on the thiophene rings. <i>New Journal of Chemistry</i> , 2021 , 45, 13258-13261	3.6	1
188	Polymer films doped with fluorescent sensor for moisture and water droplet based on photo-induced electron transfer.. <i>RSC Advances</i> , 2021 , 11, 17046-17050	3.7	4
187	Development of phenazine-2,3-diol-based photosensitizers: effect of formyl groups on singlet oxygen generation. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 5298-5304	7.8	2
186	Synthesis, optical and electrochemical properties of 4,4'-bibenzo[<i>c</i>]thiophene derivatives.. <i>RSC Advances</i> , 2021 , 11, 18870-18880	3.7	4
185	Development of 4,4'-bibenzo[<i>c</i>]thiophene fluorophores with substituents on the thiophene rings. <i>New Journal of Chemistry</i> , 2021 , 45, 17085-17094	3.6	1
184	Fluorescence sensors for detection of water based on tetraphenylethene- <i>h</i> -anthracene possessing both solvatochromic properties and aggregation-induced emission (AIE) characteristics. <i>New Journal of Chemistry</i> , 2021 , 45, 4164-4173	3.6	11
183	Synthesis of novel <i>E</i> -extended DAD-type dipyrro[3,2- <i>a</i> :2',3'- <i>c</i>]phenazine derivatives and their photosensitized singlet oxygen generation. <i>New Journal of Chemistry</i> , 2021 , 45, 2264-2275	3.6	4
182	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
181	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
180	Phenazine-based photosensitizers for singlet oxygen generation. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 589-596	7.8	10
179	Synthesis, optical and electrochemical properties of propeller-type 3,5,8-trithienyl-BODIPY dyes. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 2762-2771	7.8	7
178	Development of optical sensor for water in acetonitrile based on propeller-structured BODIPY-type pyridine-boron trifluoride complex.. <i>RSC Advances</i> , 2020 , 10, 33836-33843	3.7	8
177	Preparation and reactions of 4,4'-dilithiodithienogermole. <i>Journal of Organometallic Chemistry</i> , 2019 , 883, 47-51	2.3	1
176	Colorimetric and ratiometric fluorescence sensing of water based on 9-methyl pyrido[3,4- <i>b</i>]indole-boron trifluoride complex. <i>Dalton Transactions</i> , 2019 , 48, 2086-2092	4.3	13
175	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

174	Synthesis of Pyridinothienogermoles as Unsymmetrically Condensed Germoles. <i>Organometallics</i> , 2019 , 38, 1606-1613	3.8	1
173	Synthesis, Properties, and Complex Formation of Antimony- and Bismuth-Bridged Bipyridyls. <i>Organometallics</i> , 2019 , 38, 1516-1523	3.8	12
172	Hydrophobic modification of SiO ₂ surface with disilanobiphenyl and disilanobithiophene and the application to pentacene-based organic transistors. <i>Composite Interfaces</i> , 2019 , 26, 221-231	2.3	
171	Synthesis, photophysical and electrochemical properties of pyridine, pyrazine and triazine-based (D- π -A) fluorescent dyes. <i>Beilstein Journal of Organic Chemistry</i> , 2019 , 15, 1712-1721	2.5	6
170	Direct comparison of dithienosilole and dithienogermole as π -conjugated linkers in photosensitizers for dye-sensitized solar cells. <i>Dalton Transactions</i> , 2019 , 48, 16671-16678	4.3	9
169	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
168	Hydrophobic modification of SiO ₂ surface by aminosilane derivatives. <i>Composite Interfaces</i> , 2019 , 26, 15-25	2.3	1
167	Mitochondria-Targeting Polyamine-Protoporphyrin Conjugates for Photodynamic Therapy. <i>ChemMedChem</i> , 2018 , 13, 15-19	3.7	12
166	Tetraphenylethene- and diphenyldibenzofulvene- π -anthracene-based fluorescence sensors possessing photo-induced electron transfer and aggregation-induced emission enhancement characteristics for detection of water. <i>New Journal of Chemistry</i> , 2018 , 42, 13339-13350	3.6	28
165	Optical and Photosensitizing Properties of Spiro(dipyridinogermole)(dithienogermole)s with Electron-Donating Amino and Electron-Withdrawing Pyridinothiadiazole Substituents. <i>ChemistrySelect</i> , 2018 , 3, 8604-8609	1.8	3
164	A colorimetric and fluorescent sensor for water in acetonitrile based on intramolecular charge transfer: D-(π -A)-type pyridine-boron trifluoride complex. <i>Chemical Communications</i> , 2018 , 54, 10144-10147	5.8	28
163	Hybrid conjugated polymers with alternating dithienosilole or dithienogermole and tricoordinate boron units. <i>Polymer Chemistry</i> , 2018 , 9, 291-299	4.9	31
162	Synthesis and Photophysical and Electrochemical Properties of Structural Isomers of Pyrazine-Based D- π - π -D Fluorescent Dyes. <i>Bulletin of the Chemical Society of Japan</i> , 2018 , 91, 1704-1709	5.1	3
161	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
160	Preparation of Dithienogermole-containing Polysilsesquioxane Films for Sensing Nitroaromatics. <i>Chemistry Letters</i> , 2017 , 46, 438-441	1.7	4
159	Synthesis, optical and electrochemical properties, and photovoltaic performance of a panchromatic and near-infrared (D) π A type BODIPY dye with pyridyl group or cyanoacrylic acid. <i>RSC Advances</i> , 2017 , 7, 13072-13081	3.7	21
158	Synthesis of (Benzofurano)(benzothieno)germole. <i>ChemistrySelect</i> , 2017 , 2, 3106-3109	1.8	4
157	Singlet oxygen generation properties of an inclusion complex of cyclic free-base porphyrin dimer and fullerene C ₆₀ . <i>RSC Advances</i> , 2017 , 7, 18690-18695	3.7	12

- 156 Aggregation-induced emission (AIE) characteristic of water-soluble tetraphenylethene (TPE) bearing four sulfonate salts. *New Journal of Chemistry*, **2017**, 41, 4747-4749 3.6 20
- 155 Synthesis of dithienogermole-containing polythiophenes. *Synthetic Metals*, **2017**, 227, 87-92 3.6 2
- 154 Studies on Spherically Distributed LUMO and Electron-Accepting Properties of Caged Hexakis(germasesquioxanes). *Organometallics*, **2017**, 36, 2536-2540 3.8 7
- 153 Ligand-Free Copper-Catalyzed Cyano- and Alkynylstannylation of Arynes. *ChemistrySelect*, **2017**, 2, 3212-3215 3.8 10
- 152 Dithienogermole-containing DAA Photosensitizers for Dye-sensitized Solar Cells. *Chemistry Letters*, **2017**, 46, 310-312 1.7 9
- 151 Development of a Dual-Fluorescence Emission Sensor Based on Photo-Induced Electron Transfer and Aggregation-Induced Emission Enhancement for Detection of Water. *ChemistrySelect*, **2017**, 2, 7765-7770 1.8 15
- 150 Synthesis and optical and electrochemical properties of a phenanthrodithiophene (fused-benzo[c]thiophene) derivative. *Organic and Biomolecular Chemistry*, **2017**, 15, 7302-7307 3.9 4
- 149 Expression of fluorescence properties by self-PET (photo-induced electron transfer) suppression both in solution and in the solid state. *New Journal of Chemistry*, **2017**, 41, 13215-13218 3.6
- 148 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). *Materials Chemistry Frontiers*, **2017**, 1, 2243-2255 7.8 14
- 147 Preparation of branched molecules by regioselective hydrosilylation of tetrakis(ethynyltrimethylsilyl)silanes and some of their properties. *Journal of Organometallic Chemistry*, **2017**, 846, 360-366 2.3 2
- 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 of Dipyridinogermole-Copper Complex as Soluble Phosphorescent Material. *Chemistry Letters*, **2016**, 45, 502-504 1.7 10
- 144 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
- 143 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
- 142 Group 14 Dithienometallore-Linked Ethynylene-Conjugated Porphyrin Dimers. *Inorganic Chemistry*, **2016**, 55, 7432-41 5.1 17
- 141 Electrical Characteristics of Pentacene Films on Cross-Linked Polymeric Insulators of Varying Thicknesses. *ACS Omega*, **2016**, 1, 784-788 3.9 2
- 140 Synthesis of pentamethyldisilanyl-substituted starlike molecule with triazine core and its application to dye-sensitized solar cells. *Journal of Organometallic Chemistry*, **2016**, 825-826, 63-68 2.3 4
- 139 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. *Physical Chemistry Chemical Physics*, **2016**, 18, 30662-30676 3.6 20

138	Enhanced photovoltaic performances of panchromatic EDOT-containing dye by introducing bulky dialkylfluorene units in donor moiety. <i>Dyes and Pigments</i> , 2016 , 132, 262-269	4.6	6
137	Synthesis of silicon- or carbon-bridged polythiophenes and application to organic thin-film transistors. <i>Polymer Journal</i> , 2016 , 48, 645-651	2.7	8
136	Fused π -conjugated imidazolium liquid crystals: synthesis, self-organization, and fluorescence properties. <i>RSC Advances</i> , 2016 , 6, 9152-9159	3.7	12
135	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
134	Development of a D π A pyrazinium photosensitizer possessing singlet oxygen generation. <i>RSC Advances</i> , 2016 , 6, 5428-5435	3.7	5
133	Synthesis, Properties, and Polymerization of Spiro[(dipyridinogermole)(dithienogermole)]. <i>Organometallics</i> , 2016 , 35, 20-26	3.8	24
132	Synthesis of a Conjugated D-A Polymer with Bi(disilanobithiophene) as a New Donor Component. <i>Molecules</i> , 2016 , 21,	4.8	6
131	Synthesis of Poly(dithienogermole)s. <i>Organometallics</i> , 2016 , 35, 2333-2338	3.8	16
130	Impact of the molecular structure and adsorption mode of D- π A dye sensitizers with a pyridyl group in dye-sensitized solar cells on the adsorption equilibrium constant for dye-adsorption on TiO ₂ surface. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 32992-32998	3.6	7
129	Single oxygen generation sensitized by spiro(dipyridinogermole)(dithienogermole)s. <i>Dalton Transactions</i> , 2016 , 45, 15679-15683	4.3	13
128	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
127	Synthesis of conjugated D π 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
126	Synthesis, optical, electrochemical and photovoltaic properties of a D π 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
125	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
124	Synthesis of novel dyes having EDOT-containing oligothiophenes as linker for panchromatic dye-sensitized solar cells. <i>Synthetic Metals</i> , 2015 , 207, 65-71	3.6	11
123	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
122	A new co-sensitization method employing D π A dye with pyridyl group and D π A π A dye with catechol unit for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2015 , 122, 40-45	4.6	16
121	Reversible near-infrared/blue mechanofluorochromism of aminobenzopyranoxanthene. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6436-9	16.4	130

- ¹²⁰ Development of D π A Fluorescent Dyes with a 3-Pyridyl Group as Electron-Withdrawing Anchoring Group for Dye-Sensitized Solar Cells. *European Journal of Organic Chemistry*, **2015**, 2015, 3713-3720 ¹⁴
- ¹¹⁹ Synthesis of D π A polymers with a disilanobithiophene donor and a pyridine or pyrazine acceptor and their applications to dye-sensitized solar cells. *RSC Advances*, **2015**, 5, 36673-36679 3.7 16
- ¹¹⁸ Photoinduced electron injection from an organic dye having a pyridyl anchor to Lewis acid site of TiO₂ surface. *RSC Advances*, **2015**, 5, 71387-71392 3.7 9
- ¹¹⁷ Fluorescence sensor for water based on PET (photo-induced electron transfer): Anthracene-bis(aminomethyl)phenylboronic acid ester. *Dyes and Pigments*, **2015**, 123, 248-253 4.6 27
- ¹¹⁶ Development of D π A dye with (pyridiniumyl)alkanesulfonate as electron-withdrawing anchoring group for dye-sensitized solar cell. *Dyes and Pigments*, **2015**, 123, 349-354 4.6 9
- ¹¹⁵ Preparation and Reactions of Dichlorodithienogermoles. *Organometallics*, **2015**, 34, 5609-5614 3.8 22
- ¹¹⁴ Effective co-sensitization using D π A dyes with a pyridyl group adsorbing at Brønsted acid sites and Lewis acid sites on a TiO₂ surface for dye-sensitized solar cells. *RSC Advances*, **2015**, 5, 2531-2535 3.7 22
- ¹¹³ Highly Efficient Cosensitized Plastic-Substrate Dye-Sensitized Solar Cells with Black Dye and Pyridine-Anchor Organic Dye. *Bulletin of the Chemical Society of Japan*, **2015**, 88, 366-374 5.1 12
- ¹¹² Effect of Substituents in Catechol Dye Sensitizers on Photovoltaic Performance of Type II Dye-Sensitized Solar Cells. *ChemPhysChem*, **2015**, 16, 3049-57 3.2 18
- ¹¹¹ Design and syntheses of highly emissive aminobenzopyrano-xanthene dyes in the visible and far-red regions. *Organic Letters*, **2014**, 16, 258-61 6.2 27
- ¹¹⁰ Synthesis of Group 14 Dipyrrodimetalloles with Enhanced Electron-Deficient Properties and Solid-State Phosphorescence. *Organometallics*, **2014**, 33, 517-521 3.8 36
- ¹⁰⁹ BODIPY dye possessing solid-state red fluorescence and green metallic luster properties in both crystalline and amorphous states. *RSC Advances*, **2014**, 4, 1163-1167 3.7 24
- ¹⁰⁸ Synthesis and electrical properties of novel oligothiophenes partially containing 3,4-ethylenedioxythiophenes. *RSC Advances*, **2014**, 4, 2501-2508 3.7 18
- ¹⁰⁷ Development of highly-sensitive fluorescence PET (photo-induced electron transfer) sensor for water: anthraceneboronic acid ester. *RSC Advances*, **2014**, 4, 25330 3.7 33
- ¹⁰⁶ Development of D π Aat 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
- ¹⁰⁵ A new cosensitization method using the Lewis acid sites of a TiO₂ photoelectrode for dye-sensitized solar cells. *Chemical Communications*, **2014**, 50, 6398-401 5.8 51
- ¹⁰⁴ Development of a D π A dye with benzothienopyridine as the electron-withdrawing anchoring group for dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2014**, 2, 3293-3296 13 43
- ¹⁰³ Preparation of poly(disilanylenetetracyanobutadienyleneoligothienylene)s as new donor-acceptor type organosilicon polymers. *Journal of Organometallic Chemistry*, **2014**, 749, 255-260 2.3 6

102	Effects of π -conjugated side chains on properties and performances of photovoltaic copolymers. <i>Synthetic Metals</i> , 2014 , 187, 30-36	3.6	7
101	Development of D π 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
100	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
99	Distibylation of Acetylenes with Ph ₂ SbSbPh ₂ : Synthesis, Crystal Structures and Phosphorescence Properties of Bis(diphenylstibyl)ethenes. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2014 , 69, 1181-1187	1	
98	Low bandgap polymers with benzodithiophene and bithienylacrylonitrile units for photovoltaic applications. <i>European Polymer Journal</i> , 2013 , 49, 1634-1641	5.2	5
97	Synthesis of diphenylamino-carbazole substituted BODIPY dyes and their photovoltaic performance in dye-sensitized solar cells. <i>RSC Advances</i> , 2013 , 3, 18099	3.7	29
96	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
95	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
94	Synthesis of dithienosilole-based highly photoluminescent donor-acceptor type compounds. <i>Dalton Transactions</i> , 2013 , 42, 3646-52	4.3	19
93	Specific solvatochromism of D π A type pyridinium dyes bearing various counter anions in halogenated solvents. <i>Tetrahedron</i> , 2013 , 69, 1755-1760	2.4	24
92	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
91	Dye-sensitized solar cells based on a functionally separated D π A fluorescent dye with an aldehyde as an electron-accepting group. <i>New Journal of Chemistry</i> , 2013 , 37, 2336	3.6	21
90	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
89	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
88	Synthesis of donor-acceptor type new organosilicon polymers and their applications to dye-sensitized solar cells. <i>Journal of Organometallic Chemistry</i> , 2013 , 741-742, 97-101	2.3	8
87	Solid-state fluorescence properties and mechanofluorochromism of D π A pyridinium dyes bearing various counter anions. <i>Tetrahedron</i> , 2013 , 69, 5818-5822	2.4	17
86	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
85	Synthesis, Optical Properties, and Crystal Structures of Dithienostannoles. <i>Organometallics</i> , 2013 , 32, 4136-4141	3.8	29

84	Development of Dye-Sensitized Solar Cells Based on D- π -A Pyridinium Dye without Carboxylic Acid Moiety as Anchoring Group. <i>Electrochemistry</i> , 2013 , 81, 325-327	1.2	1
83	Electrosynthesis and charge-transport properties of poly(3,4-ethylenedioxy-2,5'-terthiophene). <i>Materials Chemistry and Physics</i> , 2012 , 131, 752-756	4.4	26
82	Mechanofluorochromism of carbazole-type D π A fluorescent dyes. <i>Tetrahedron</i> , 2012 , 68, 529-533	2.4	16
81	Synthesis and Optical Properties of Dithienostiboles. <i>Chemistry Letters</i> , 2012 , 41, 1002-1003	1.7	20
80	Control of Molecular Arrangement and/or Orientation of D π A Fluorescent Dyes for Dye-sensitized Solar Cells. <i>Chemistry Letters</i> , 2012 , 41, 1384-1396	1.7	23
79	Highly sensitive fluorescence PET (photo-induced electron transfer) sensor for water based on anthraceneBisboronic acid ester. <i>RSC Advances</i> , 2012 , 2, 7666	3.7	36
78	Oligothiophenes incorporated in a polysilsesquioxane network: application to tunable transparent conductive films. <i>Journal of Materials Chemistry</i> , 2012 , 22, 16407		13
77	Intermolecular distances of carboxylated TEMPO derivatives on TiO ₂ evaluated by spin-probe ESR. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 15988-90	3.6	5
76	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
75	Synthesis of disilanylene polymers with donorBacceptor-type Bconjugated units and applications to dye-sensitized solar cells. <i>Journal of Organometallic Chemistry</i> , 2012 , 719, 30-35	2.3	9
74	Synthesis and specific solvatochromism of D π A type pyridinium dye. <i>Tetrahedron</i> , 2012 , 68, 8577-8580	2.4	17
73	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
72	Synthesis of a Novel Family of Polysilsesquioxanes Having Oligothiophenes with Well-Defined Structures. <i>International Journal of Polymer Science</i> , 2012 , 2012, 1-10	2.4	5
71	Synthesis of Carbazole-Type D-B π A Fluorescent Dyes Possessing Solid-State Red Fluorescence Properties. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 4853-4859	3.2	13
70	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
69	New molecular design of donor-Bacceptor 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
68	Charge transport properties of polymer films comprising oligothiophene in silsesquioxane network. <i>Polymer Chemistry</i> , 2011 , 2, 868	4.9	13
67	Synthesis of Dithienogermole-Containing BConjugated Polymers and Applications to Photovoltaic Cells. <i>Organometallics</i> , 2011 , 30, 3233-3236	3.8	69

66	Molecular design of mechanofluorochromic dyes and their solid-state fluorescence properties. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8372		123
65	Hybridization of Carbon Nanotubes with SiPolymers and Attachment of Resulting Hybrids to TiO ₂ Surface. <i>Chemistry Letters</i> , 2011 , 40, 87-89	1.7	6
64	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
63	Synthesis, characterization, and photovoltaic applications of dithienogermole-dithienylbenzothiadiazole and -dithienylthiazolothiazole copolymers. <i>Polymer</i> , 2011 , 52, 3912-3916	3.9	31
62	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
61	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
60	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
59	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
58	Synthesis and photophysical properties of structural isomers of novel 2,10-disubstituted benzofuro[2,3-e]naphthoxazole-type fluorescent dyes. <i>Dyes and Pigments</i> , 2011 , 91, 481-488	4.6	3
57	Electrochemical reduction of graphene oxide in organic solvents. <i>Electrochimica Acta</i> , 2011 , 56, 5363-5367	3.7	80
56	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
55	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. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 2756-70	3.9	30
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