

# Ayyappanpillai Ajayaghosh

## List of Publications by Citations

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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.

180 papers	15,658 citations	66 h-index	122 g-index
203 ext. papers	16,552 ext. citations	10.1 avg, IF	7.07 L-index

#	Paper	IF	Citations
180	Functional gels and their applications. <i>Chemical Reviews</i> , <b>2014</b> , 114, 1973-2129	68.1	1375
179	Pi-organogels of self-assembled p-phenylenevinylenes: soft materials with distinct size, shape, and functions. <i>Accounts of Chemical Research</i> , <b>2007</b> , 40, 644-56	24.3	802
178	Organogels as scaffolds for excitation energy transfer and light harvesting. <i>Chemical Society Reviews</i> , <b>2008</b> , 37, 109-22	58.5	658
177	Self-assembled gelators for organic electronics. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1766-76	16.4	464
176	Attogram sensing of trinitrotoluene with a self-assembled molecular gelator. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 4834-41	16.4	431
175	Donor-acceptor type low band gap polymers: polysquaraines and related systems. <i>Chemical Society Reviews</i> , <b>2003</b> , 32, 181-91	58.5	375
174	Chemistry of squaraine-derived materials: near-IR dyes, low band gap systems, and cation sensors. <i>Accounts of Chemical Research</i> , <b>2005</b> , 38, 449-59	24.3	371
173	Squaraine dyes: a mine of molecular materials. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 264-274		333
172	A ratiometric fluorescence probe for selective visual sensing of Zn <sup>2+</sup> . <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 14962-3	16.4	297
171	Molecular wire encapsulated into pi organogels: efficient supramolecular light-harvesting antennae with color-tunable emission. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 6260-5	16.4	276
170	RGB Emission through Controlled Donor Self-Assembly and Modulation of Excitation Energy Transfer: A Novel Strategy to White-Light-Emitting Organogels. <i>Advanced Materials</i> , <b>2009</b> , 21, 2059-2063	24	252
169	A near-infrared squaraine dye as a latent ratiometric fluorophore for the detection of aminothiol content in blood plasma. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 7883-7	16.4	249
168	Gelation-assisted light harvesting by selective energy transfer from an oligo(p-phenylenevinylene)-based self-assembly to an organic dye. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 332-5	16.4	209
167	Self-assembled nanotapes of oligo(p-phenylene vinylene)s: sol-gel-controlled optical properties in fluorescent pi-electronic gels. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 3217-27	4.8	206
166	Cholesterol-aided supramolecular control over chromophore packing: twisted and coiled helices with distinct optical, chiroptical, and morphological features. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 456-60	16.4	203
165	Ratiometric and near-infrared molecular probes for the detection and imaging of zinc ions. <i>Chemistry - an Asian Journal</i> , <b>2007</b> , 2, 338-48	4.5	200
164	From vesicles to helical nanotubes: a sergeant-and-soldiers effect in the self-assembly of oligo(p-phenyleneethynylene)s. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 7729-32	16.4	196

163	Coiled-coil gel nanostructures of oligo(p-phenylenevinylene)s: gelation-induced helix transition in a higher-order supramolecular self-assembly of a rigid pi-conjugated system. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 3422-5	16.4	195
162	Transcription and amplification of molecular chirality to oppositely biased supramolecular pi helices. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 1141-4	16.4	185
161	Evolution of nano- to micro-sized spherical assemblies of a short oligo(p-phenyleneethynylene) into superstructured organogels. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 3261-4	16.4	173
160	Self-assembly of tripodal squaraines: Cation-assisted expression of molecular chirality and change from spherical to helical morphology. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 230-3	16.4	168
159	Thermally assisted photonic inversion of supramolecular handedness. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 10505-9	16.4	167
158	Selective calcium ion sensing with a bichromophoric squaraine foldamer. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 3156-64	16.4	167
157	Self-location of acceptors as "isolated" or "stacked" energy traps in a supramolecular donor self-assembly: a strategy to wavelength tunable FRET emission. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 7174-5	16.4	164
156	Oligo(phenylenevinylene) hybrids and self-assemblies: versatile materials for excitation energy transfer. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 4222-42	58.5	163
155	Solution phase epitaxial self-assembly and high charge-carrier mobility nanofibers of semiconducting molecular gelators. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 8866-7	16.4	158
154	Excited State Processes in Linear $\pi$ -System-Based Organogels. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 3413-3424	6.4	158
153	Solvent-free luminescent organic liquids. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 3391-5	16.4	152
152	Quadrupolar $\pi$ -Gels: Sol-Gel Tunable Red-Green-Blue Emission in Donor-Acceptor-Type Oligo(p-phenylenevinylene)s. <i>Advanced Materials</i> , <b>2007</b> , 19, 411-415	24	149
151	Self-assembled pi-nanotapes as donor scaffolds for selective and thermally gated fluorescence resonance energy transfer (FRET). <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 7542-50	16.4	147
150	Bioinspired superhydrophobic coatings of carbon nanotubes and linear pi systems based on the "bottom-up" self-assembly approach. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 5750-4	16.4	145
149	Self-assembled near-infrared dye nanoparticles as a selective protein sensor by activation of a dormant fluorophore. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 13233-9	16.4	138
148	Reversible self-assembly of entrapped fluorescent gelators in polymerized styrene gel matrix: erasable thermal imaging via recreation of supramolecular architectures. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 15122-3	16.4	133
147	Supramolecular chemistry. Living supramolecular polymerization. <i>Science</i> , <b>2015</b> , 349, 241-2	33.3	132
146	A controlled supramolecular approach toward cation-specific chemosensors: alkaline earth metal ion-driven exciton signaling in squaraine tethered podands. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 6590-8	16.4	132

145	The Chemistry and Applications of EGels. <i>Annual Review of Materials Research</i> , <b>2016</b> , 46, 235-262	12.8	128
144	Self-assembly of thienylenevinylene molecular wires to semiconducting gels with doped metallic conductivity. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 13206-7	16.4	125
143	Organic donor-acceptor assemblies form coaxial p-n heterojunctions with high photoconductivity. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 946-50	16.4	122
142	Selbstorganisierte Gelbildner für die organische Elektronik. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 1800-1810	3.6	121
141	A Zn <sup>2+</sup> -specific fluorescent molecular probe for the selective detection of endogenous cyanide in biorelevant samples. <i>Chemical Communications</i> , <b>2010</b> , 46, 6069-71	5.8	121
140	Toroidal nanoobjects from Rosette assemblies of melamine-linked oligo(p-phenyleneethynylene)s and cyanurates. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 4691-4	16.4	118
139	Self-assembled hybrid oligo(p-phenylenevinylene)-gold nanoparticle tapes. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 1825-8	16.4	114
138	Molecular Wire Encapsulated into Organogels: Efficient Supramolecular Light-Harvesting Antennae with Color-Tunable Emission. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 6376-6381	3.6	113
137	Self-assembly of oligo(para-phenylenevinylene)s through arene-perfluoroarene interactions: pi gels with longitudinally controlled fiber growth and supramolecular exciplex-mediated enhanced emission. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 9577-84	4.8	113
136	Carbon nanotube triggered self-assembly of oligo(p-phenylene vinylene)s to stable hybrid pi-gels. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 5746-9	16.4	112
135	Fluorescence Imaging Assisted Photodynamic Therapy Using Photosensitizer-Linked Gold Quantum Clusters. <i>ACS Nano</i> , <b>2015</b> , 9, 5825-32	16.7	109
134	A highly specific Ca <sup>2+</sup> -ion sensor: signaling by exciton interaction in a rigid-flexible-rigid bichromophoric "H" foldamer. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 1766-9	16.4	107
133	Hydrogen-Bonded Assemblies of Dyes and Extended Conjugated Systems	83-118	104
132	Detection of nitroaromatic explosives with fluorescent molecular assemblies and EGels. <i>Chemical Record</i> , <b>2015</b> , 15, 252-65	6.6	99
131	Helical Supramolecular Architectures of Self-Assembled Linear Systems. <i>Bulletin of the Chemical Society of Japan</i> , <b>2008</b> , 81, 1196-1211	5.1	96
130	Synthesis and properties of amphiphilic photoresponsive gelators for aromatic solvents. <i>Organic Letters</i> , <b>2012</b> , 14, 748-51	6.2	94
129	New Low Band Gap Polymers: Control of Optical and Electronic Properties in near Infrared Absorbing Conjugated Polysquaraines. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 410-418	9.6	86
128	Supramolecular Reassembly of Self-Exfoliated Ionic Covalent Organic Nanosheets for Label-Free Detection of Double-Stranded DNA. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 8443-8447	16.4	85

127	The Helix to Super-Helix Transition in the Self-Assembly of $\pi$ -Systems: Superseding of Molecular Chirality at Hierarchical Level. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 12634-12638	16.4	85
126	Detection of zinc ions under aqueous conditions using chirality assisted solid-state fluorescence of a bipyridyl based fluorophore. <i>Chemical Communications</i> , <b>2008</b> , 2903-5	5.8	85
125	Reversible transformation between rings and coils in a dynamic hydrogen-bonded self-assembly. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 5408-10	16.4	84
124	Aligned 1-D nanorods of a $\pi$ -gelator exhibit molecular orientation and excitation energy transport different from entangled fiber networks. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 8548-51	16.4	77
123	Self-Assembly of Bodipy-Derived Extended $\pi$ -Systems. <i>Bulletin of the Chemical Society of Japan</i> , <b>2018</b> , 91, 100-120	5.1	74
122	Ultrasound stimulated nucleation and growth of a dye assembly into extended gel nanostructures. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 12991-3001	4.8	74
121	Excitation energy migration in oligo(p-phenylenevinylene) based organogels: structure-property relationship and FRET efficiency. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 4942-9	3.6	73
120	Cholesterol-Aided Supramolecular Control over Chromophore Packing: Twisted and Coiled Helices with Distinct Optical, Chiroptical, and Morphological Features. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 470-474	3.6	71
119	Supercoiled fibres of self-sorted donor-acceptor stacks: a turn-off/turn-on platform for sensing volatile aromatic compounds. <i>Chemical Science</i> , <b>2016</b> , 7, 4460-4467	9.4	71
118	Anion induced modulation of self-assembly and optical properties in urea end-capped oligo(p-phenylenevinylene)s. <i>Chemical Communications</i> , <b>2005</b> , 593-5	5.8	69
117	Light-induced Ostwald ripening of organic nanodots to rods. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 7227-30	16.4	67
116	Nanosheets of an Organic Molecular Assembly from Aqueous Medium Exhibit High Solid-State Emission and Anisotropic Charge-Carrier Mobility. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605408	24	66
115	Rational design of nanofibers and nanorings through complementary hydrogen-bonding interactions of functional $\pi$ systems. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 8652-61	4.8	66
114	Role of complementary H-bonding interaction of a cyanurate in the self-assembly and gelation of melamine linked tri(p-phenyleneethynylene)s. <i>Chemical Communications</i> , <b>2009</b> , 5984-6	5.8	65
113	Transcription and Amplification of Molecular Chirality to Oppositely Biased Supramolecular $\pi$ Helices. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 1159-1162	3.6	65
112	A ratiometric fluorescent molecular probe with enhanced two-photon response upon Zn <sup>2+</sup> binding for in vitro and in vivo bioimaging. <i>Chemical Science</i> , <b>2014</b> , 5, 3469-3474	9.4	63
111	Thermally Assisted Photonic Inversion of Supramolecular Handedness. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 10657-10661	3.6	63
110	Controlled self-assembly of squaraines to 1D supramolecular architectures with high molar absorptivity. <i>Chemical Communications</i> , <b>2008</b> , 969-71	5.8	63

109	Coiled-Coil Gel Nanostructures of Oligo(p-phenylenevinylene)s: Gelation-Induced Helix Transition in a Higher-Order Supramolecular Self-Assembly of a Rigid $\pi$ Conjugated System. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 3504-3507	3.6	63
108	Photoresponsive metal-organic materials: exploiting the azobenzene switch. <i>Materials Horizons</i> , <b>2014</b> , 1, 572-576	14.4	62
107	From Vesicles to Helical Nanotubes: A Sergeant-and-Soldiers Effect in the Self-Assembly of Oligo(p-phenyleneethynylene)s. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 7893-7896	3.6	62
106	A slippery molecular assembly allows water as a self-erasable security marker. <i>Scientific Reports</i> , <b>2015</b> , 5, 9842	4.9	61
105	A near-infrared fluorescent nanosensor (AuC@Urease) for the selective detection of blood urea. <i>Small</i> , <b>2013</b> , 9, 2673-7	11	60
104	A Near-Infrared Squaraine Dye as a Latent Ratiometric Fluorophore for the Detection of Amino-thiol Content in Blood Plasma. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 8001-8005	3.6	59
103	Gelation-Assisted Light Harvesting by Selective Energy Transfer from an Oligo(p-phenylenevinylene)-Based Self-Assembly to an Organic Dye. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 346-349	3.6	59
102	Solvent-directed self-assembly of $\pi$ gelators to hierarchical macroporous structures and aligned fiber bundles. <i>Chemistry - an Asian Journal</i> , <b>2009</b> , 4, 824-9	4.5	56
101	A novel approach toward low optical band gap polysquaraines. <i>Organic Letters</i> , <b>2001</b> , 3, 2595-8	6.2	55
100	Anisotropic Self-Assembly of Photoluminescent Oligo(p-Phenylenevinylene) Derivatives in Liquid Crystals: An Effective Strategy for the Macroscopic Alignment of $\pi$ Gels. <i>Advanced Materials</i> , <b>2009</b> , 21, 4029-4033	24	53
99	Real time monitoring of amino-thiol level in blood using a near-infrared dye assisted deep tissue fluorescence and photoacoustic bimodal imaging. <i>Chemical Science</i> , <b>2016</b> , 7, 4110-4116	9.4	53
98	Light driven mesoscale assembly of a coordination polymeric gelator into flowers and stars with distinct properties. <i>Chemical Science</i> , <b>2015</b> , 6, 6583-6591	9.4	52
97	Self-Assembled Extended $\pi$ Systems for Sensing and Security Applications. <i>Accounts of Chemical Research</i> , <b>2020</b> , 53, 496-507	24.3	52
96	Supramolecular gels and functional materials research in India. <i>Chimia</i> , <b>2013</b> , 67, 51-63	1.3	50
95	A complementary guest induced morphology transition in a two-component multiple H-bonding self-assembly. <i>Chemical Communications</i> , <b>2010</b> , 46, 1076-8	5.8	50
94	Toroidal Nanoobjects from Rosette Assemblies of Melamine-Linked Oligo(p-phenyleneethynylene)s and Cyanurates. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 4769-4772	3.6	49
93	Self-Assembly of Tripodal Squaraines: Cation-Assisted Expression of Molecular Chirality and Change from Spherical to Helical Morphology. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 234-237	3.6	46
92	Organic Donor-Acceptor Assemblies form Coaxial $\pi$ Heterojunctions with High Photoconductivity. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 960-964	3.6	45



91	An unprecedented amplification of near-infrared emission in a Bodipy derived system by stress or gelation. <i>Chemical Science</i> , <b>2017</b> , 8, 5644-5649	9.4	44
90	A gel scaffold for assembling fullerene to photoconducting supramolecular rods. <i>Science Advances</i> , <b>2016</b> , 2, e1600142	14.3	42
89	Solvent-induced aggregation and cation-controlled self-assembly of tripodal squaraine dyes: optical, chiroptical and morphological properties. <i>Chemistry - an Asian Journal</i> , <b>2008</b> , 3, 1365-73	4.5	42
88	Self-Assembled Hybrid Oligo(p-phenylenevinylene)/Gold Nanoparticle Tapes. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 1857-1860	3.6	41
87	The Helix to Super-Helix Transition in the Self-Assembly of Systems: Superseding of Molecular Chirality at Hierarchical Level. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12808-12812	3.6	40
86	Oligo(p-phenylene-ethynylene)-derived super-gelators with tunable emission and self-assembled polymorphic structures. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 2061-7	4.5	40
85	A Cyclometalated Ir Complex as a Lysosome-Targeted Photodynamic Therapeutic Agent for Integrated Imaging and Therapy in Cancer Cells. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 10999-11007	4.8	39
84	A carbazole-fluorene molecular hybrid for quantitative detection of TNT using a combined fluorescence and quartz crystal microbalance method. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 18896-901	3.6	38
83	Bioinspired Superhydrophobic Coatings of Carbon Nanotubes and Linear Systems Based on the Bottom-up Self-Assembly Approach. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 5834-5838	3.6	38
82	Color-Tunable Cyano-Substituted Divinylene Arene Luminogens as Fluorescent Gelators. <i>Langmuir</i> , <b>2016</b> , 32, 284-9	4	37
81	Luminescent and conductive supramolecular polymers obtained from an N-annulated perylenedicarboxamide. <i>Chemical Communications</i> , <b>2013</b> , 49, 9278-80	5.8	37
80	Stepwise control of host-guest interaction using a coordination polymer gel. <i>Nature Communications</i> , <b>2018</b> , 9, 1987	17.4	37
79	Solvent-mediated fiber growth in organogels. <i>Soft Matter</i> , <b>2011</b> , 7, 9311	3.6	35
78	A Supramolecular Nanocomposite as a Near-Infrared-Transmitting Optical Filter for Security and Forensic Applications. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703783	24	34
77	Solvent-Free Luminescent Organic Liquids. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 3447-3451	3.6	34
76	Electrochemically synthesized partially reduced graphene oxide modified glassy carbon electrode for individual and simultaneous voltammetric determination of ascorbic acid, dopamine and uric acid. <i>Analytical Methods</i> , <b>2014</b> , 6, 5322-5330	3.2	33
75	Probing the initial stages of molecular organization of oligo(p-phenylenevinylene) assemblies with monolayer protected gold nanoparticles. <i>Chemistry - an Asian Journal</i> , <b>2009</b> , 4, 840-8	4.5	33
74	Supramolecular Surface Charge Regulation in Ionic Covalent Organic Nanosheets: Reversible Exfoliation and Controlled Bacterial Growth. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 8713-8719	16.4	33

73	Hybrid materials of 1D and 2D carbon allotropes and synthetic Esystems. <i>NPG Asia Materials</i> , <b>2018</b> , 10, 107-126	10.3	32
72	Metallo supramolecular assemblies of bis-squaraines by allosteric Ca <sup>2+</sup> ion binding. <i>Organic Letters</i> , <b>2007</b> , 9, 1999-2002	6.2	32
71	Carbon Nanotube Triggered Self-Assembly of Oligo(p-phenylene vinylene)s to Stable Hybrid EGels. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 5830-5833	3.6	32
70	Enzyme-Driven Switchable Fluorescence-SERS Diagnostic Nanococktail for the Multiplex Detection of Lung Cancer Biomarkers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 38807-38818	9.5	32
69	Redox-switchable squaraines with extended conjugation. <i>Organic Letters</i> , <b>2003</b> , 5, 2975-8	6.2	31
68	Conjugated Random Donor-Acceptor Copolymers of [1]Benzothieno[3,2-b]benzothiophene and Diketopyrrolopyrrole Units for High Performance Polymeric Semiconductor Applications. <i>Macromolecules</i> , <b>2016</b> , 49, 6334-6342	5.5	29
67	Intramolecular Exciton-Coupled Squaraine Dyes for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 21745-21754	3.8	29
66	Pyridyl-Amides as a Multimode Self-Assembly Driver for the Design of a Stimuli-Responsive EGelator. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 2250-6	4.5	28
65	Supramolecular Gel Phase Controlled [4 + 2] Diels-Alder Photocycloaddition for Electroplex Mediated White Electroluminescence. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 5635-5639	16.4	26
64	Effect of the bulkiness of the end functional amide groups on the optical, gelation, and morphological properties of oligo(p-phenylenevinylene) EGelators. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 1830-40	4.5	26
63	Multiple analyte response and molecular logic operations by excited-state charge-transfer modulation in a bipyridine integrated fluorophore. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 430-7	4.5	24
62	Diketopyrrolopyrrole-based functional supramolecular polymers: next-generation materials for optoelectronic applications. <i>Materials Today Chemistry</i> , <b>2020</b> , 16, 100242	6.2	23
61	Supramolecular Reassembly of Self-Exfoliated Ionic Covalent Organic Nanosheets for Label-Free Detection of Double-Stranded DNA. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 8579-8583	3.6	23
60	A fluorescent molecular probe for the identification of zinc and cadmium salts by excited state charge transfer modulation. <i>Chemical Communications</i> , <b>2014</b> , 50, 6020-2	5.8	23
59	Creation of "Rose Petal" and "Lotus Leaf" Effects on Alumina by Surface Functionalization and Metal-Ion Coordination. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16018-16022	16.4	22
58	A self-recovering mechanochromic chiral EGelator. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 1292-1297	7.1	22
57	Near-IR squaraine dye-loaded gated periodic mesoporous organosilica for photo-oxidation of phenol in a continuous-flow device. <i>Science Advances</i> , <b>2015</b> , 1, e1500390	14.3	22
56	Proton controlled intramolecular photoinduced electron transfer (PET) in podand linked squaraine-aniline dyads. <i>Chemical Communications</i> , <b>2005</b> , 599-601	5.8	22



55	A Ratiometric Near-Infrared Fluorogen for the Real Time Visualization of Intracellular Redox Status during Apoptosis. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 7191-7195	4.8	21
54	Electrochemical synthesis of a gold atomic cluster-chitosan nanocomposite film modified gold electrode for ultra-trace determination of mercury. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 8529-35	3.6	21
53	A protein-dye hybrid system as a narrow range tunable intracellular pH sensor. <i>Chemical Science</i> , <b>2016</b> , 7, 6808-6814	9.4	20
52	An Unsymmetrical Squaraine-Dye-Based Chemical Platform for Multiple Analyte Recognition. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 17973-17980	4.8	20
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