

Shiki Yagai

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165
papers

6,937
citations

50
h-index

77
g-index

179
ext. papers

7,628
ext. citations

7.4
avg, IF

6.06
L-index

#	Paper	IF	Citations
165	Recent advances in photoresponsive supramolecular self-assemblies. <i>Chemical Society Reviews</i> , 2008 , 37, 1520-9	58.5	397
164	Design amphiphilic dipolar π -systems for stimuli-responsive luminescent materials using metastable states. <i>Nature Communications</i> , 2014 , 5, 4013	17.4	268
163	Hierarchical organization of photoresponsive hydrogen-bonded rosettes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 11134-9	16.4	263
162	Transformation from H- to J-aggregated perylene bisimide dyes by complexation with cyanurates. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3367-71	16.4	255
161	Photocontrollable self-assembly. <i>Chemistry - A European Journal</i> , 2005 , 11, 4054-63	4.8	189
160	A Black Perylene Bisimide Super Gelator with an Unexpected J-Type Absorption Band. <i>Advanced Materials</i> , 2008 , 20, 1695-1698	24	161
159	Photoregulated Living Supramolecular Polymerization Established by Combining Energy Landscapes of Photoisomerization and Nucleation-Elongation Processes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14347-14353	16.4	140
158	Supramolecularly Engineered Functional π -Assemblies Based on Complementary Hydrogen-Bonding Interactions. <i>Bulletin of the Chemical Society of Japan</i> , 2015 , 88, 28-58	5.1	134
157	Self-organization of hydrogen-bonding naphthalene chromophores into J-type nanorings and H-type nanorods: impact of regioisomerism. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6643-7	16.4	126
156	Control over hierarchy levels in the self-assembly of stackable nanotoroids. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18205-8	16.4	124
155	Toroidal nanoobjects from Rosette assemblies of melamine-linked oligo(p-phenyleneethynylene)s and cyanurates. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4691-4	16.4	118
154	Supramolecularly engineered perylene bisimide assemblies exhibiting thermal transition from columnar to multilamellar structures. <i>Journal of the American Chemical Society</i> , 2012 , 134, 7983-94	16.4	115
153	Mechanochromic Luminescence Based on Crystal-to-Crystal Transformation Mediated by a Transient Amorphous State. <i>Chemistry of Materials</i> , 2016 , 28, 234-241	9.6	108
152	Synthetic zinc tetrapyrroles complexing with pyridine as a single axial ligand. <i>Bioorganic and Medicinal Chemistry</i> , 1998 , 6, 2171-8	3.4	102
151	Diversification of self-organized architectures in supramolecular dye assemblies. <i>Journal of the American Chemical Society</i> , 2007 , 129, 13277-87	16.4	100
150	Supramolecular complexes of functional chromophores based on multiple hydrogen-bonding interactions. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2006 , 7, 164-182	16.4	96
149	Phototriggered self-assembly of hydrogen-bonded rosette. <i>Journal of the American Chemical Society</i> , 2004 , 126, 11500-8	16.4	94

148	Supramolecular nanoribbons and nanoropes generated from hydrogen-bonded supramolecular polymers containing perylene bisimide chromophores. <i>Organic Letters</i> , 2007 , 9, 1137-40	6.2	90
147	Light-induced unfolding and refolding of supramolecular polymer nanofibres. <i>Nature Communications</i> , 2017 , 8, 15254	17.4	87
146	Self-assembly made durable: water-repellent materials formed by cross-linking fullerene derivatives. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2166-70	16.4	85
145	Self-assembled poly-catenanes from supramolecular toroidal building blocks. <i>Nature</i> , 2020 , 583, 400-405	50.4	85
144	Supramolecular Polymers Capable of Controlling Their Topology. <i>Accounts of Chemical Research</i> , 2019 , 52, 1325-1335	24.3	85
143	Reversible transformation between rings and coils in a dynamic hydrogen-bonded self-assembly. <i>Journal of the American Chemical Society</i> , 2009 , 131, 5408-10	16.4	84
142	Superstructures and superhydrophobic property in hierarchical organized architectures of fullerenes bearing long alkyl tails. <i>Journal of Materials Chemistry</i> , 2010 , 20, 1253-1260		82
141	Electron transport and electrochemistry of mesomorphic fullerenes with long-range ordered lamellae. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9236-7	16.4	81
140	A colorless functional polydopamine thin layer as a basis for polymer capsules. <i>Polymer Chemistry</i> , 2013 , 4, 2696	4.9	76
139	Assembly of fullerene-carbon nanotubes: temperature indicator for photothermal conversion. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8566-8	16.4	76
138	Photoresponsive self-assembly and self-organization of hydrogen-bonded supramolecular tapes. <i>Chemistry - A European Journal</i> , 2006 , 12, 3984-94	4.8	76
137	Photoreactive helical nanoaggregates exhibiting morphology transition on thermal reconstruction. <i>Nature Communications</i> , 2015 , 6, 8936	17.4	73
136	Photocontrol over self-assembled nanostructures of H ₂ stacked dyes supported by the parallel conformer of diarylethene. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2602-6	16.4	73
135	Gelation-assisted control over excitonic interaction in merocyanine supramolecular assemblies. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8005-9	16.4	73
134	Formation of supramolecular polymers and discrete dimers of perylene bisimide dyes based on melamine-cyanurates hydrogen-bonding interactions. <i>Journal of Organic Chemistry</i> , 2008 , 73, 3328-35	4.2	71
133	Supramolecularly engineered aggregation of a dipolar dye: vesicular and ribbonlike architectures. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9990-4	16.4	67
132	Rational design of nanofibers and nanorings through complementary hydrogen-bonding interactions of functional pi systems. <i>Chemistry - A European Journal</i> , 2010 , 16, 8652-61	4.8	66
131	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> , 2009 , 5984-6	5.8	65

130	Rational construction of perylene bisimide columnar superstructures with a biased helical sense. <i>Chemistry - A European Journal</i> , 2011 , 17, 3598-608	4.8	64
129	Binary Supramolecular Gels Based on Bismelamine[Cyanurate/Barbiturate Noncovalent Polymers. <i>Chemistry of Materials</i> , 2004 , 16, 3582-3585	9.6	63
128	Hydrogen-bonded rosettes comprising π -conjugated systems as building blocks for functional one-dimensional assemblies. <i>Chemical Communications</i> , 2017 , 53, 9663-9683	5.8	62
127	Supramolecular polymerization and polymorphs of oligo(p-phenylene vinylene)-functionalized bis- and monoureas. <i>Chemistry - A European Journal</i> , 2008 , 14, 5246-57	4.8	60
126	Dye-Assisted Structural Modulation of Hydrogen-Bonded Binary Supramolecular Polymers. <i>Chemistry of Materials</i> , 2005 , 17, 4392-4398	9.6	58
125	Interconvertible oligothiophene nanorods and nanotapes with high charge-carrier mobilities. <i>Chemistry - A European Journal</i> , 2009 , 15, 9320-4	4.8	56
124	Melamine-barbiturate/cyanurate binary organogels possessing rigid azobenzene-tether moiety. <i>Langmuir</i> , 2005 , 21, 11048-52	4	56
123	Transformation from H- to J-Aggregated Perylene Bisimide Dyes by Complexation with Cyanurates. <i>Angewandte Chemie</i> , 2008 , 120, 3415-3419	3.6	55
122	Supramolecular Engineering of Perylene Bisimide Assemblies Based on Complementary Multiple Hydrogen Bonding Interactions. <i>Asian Journal of Organic Chemistry</i> , 2013 , 2, 708-724	3	54
121	Alkylated-C60 based soft materials: regulation of self-assembly and optoelectronic properties by chain branching. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 1943	7.1	53
120	Self-folding of supramolecular polymers into bioinspired topology. <i>Science Advances</i> , 2018 , 4, eaat8466	14.3	51
119	Photoreversible supramolecular polymerisation and hierarchical organization of hydrogen-bonded supramolecular co-polymers composed of diarylethenes and oligothiophenes. <i>Chemistry - A European Journal</i> , 2012 , 18, 2244-53	4.8	50
118	Photoswitchable exciton coupling in merocyanine-diarylethene multi-chromophore hydrogen-bonded complexes. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9679-83	16.4	50
117	Facile synthesis of free-standing polymer brush films based on a colorless polydopamine thin layer. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 1220-4	4.8	50
116	A complementary guest induced morphology transition in a two-component multiple H-bonding self-assembly. <i>Chemical Communications</i> , 2010 , 46, 1076-8	5.8	50
115	Photophysical properties of substituted homoleptic and heteroleptic phenylimidazolinato Ir(III) complexes as a blue phosphorescent material. <i>Inorganic Chemistry</i> , 2013 , 52, 12338-50	5.1	49
114	Toroidal Nanoobjects from Rosette Assemblies of Melamine-Linked Oligo(p-phenyleneethynylene)s and Cyanurates. <i>Angewandte Chemie</i> , 2008 , 120, 4769-4772	3.6	49
113	Supramolecular structure of self-assembled synthetic zinc-13(1)-oxo-chlorins possessing a primary, secondary or tertiary alcoholic 3(1)-hydroxyl group: visible spectroscopic and molecular modeling studies. <i>Photochemistry and Photobiology</i> , 2001 , 73, 153-63	3.6	49

112	Tunable interchromophore electronic interaction of a merocyanine dye in hydrogen-bonded supramolecular assemblies scaffolded by bismelamine receptors. <i>Chemical Communications</i> , 2006 , 1500-2	5.8	48
111	Photochemicalmer-facOne-way Isomerization of Phosphorescent Material. Studies by Time-resolved Spectroscopy for Tris[2-(4?,6?-difluorophenyl)pyridine]iridium(III) in Solution. <i>Chemistry Letters</i> , 2003 , 32, 886-887	1.7	48
110	Cholesterol-aided construction of distinct self-organized materials from a luminescent gold(I)-isocyanide complex exhibiting mechanochromic luminescence. <i>Chemical Communications</i> , 2013 , 49, 11391-3	5.8	46
109	Radiative and nonradiative processes of meridional and facial isomers of heteroleptic iridium-tris-chelate complexes. <i>Chemical Physics Letters</i> , 2006 , 424, 353-357	2.5	46
108	Simultaneous SAXS and SANS Analysis for the Detection of Toroidal Supramolecular Polymers Composed of Noncovalent Supermacrocycles in Solution. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9890-3	16.4	44
107	Blue electroluminescence of silyl substituted anthracene derivatives. <i>Organic Electronics</i> , 2007 , 8, 357-366	5	40
106	Supramolecularly Engineered Aggregation of a Dipolar Dye: Vesicular and Ribbonlike Architectures. <i>Angewandte Chemie</i> , 2010 , 122, 10186-10190	3.6	39
105	Rational design of photoresponsive supramolecular assemblies based on diarylethene. <i>Chemistry - A European Journal</i> , 2013 , 19, 6971-5	4.8	38
104	Supramolecular copolymerization driven by integrative self-sorting of hydrogen-bonded rosettes. <i>Nature Communications</i> , 2020 , 11, 1623	17.4	37
103	Influence of metal coordination and light irradiation on hierarchical self-assembly processes. <i>Chemical Science</i> , 2019 , 10, 752-760	9.4	36
102	Supramolecular engineering of oligothiophene nanorods without insulators: hierarchical association of rosettes and photovoltaic properties. <i>Chemistry - A European Journal</i> , 2014 , 20, 16128-37	4.8	35
101	Synthesis and Photophysical Properties of Substituted Tris(phenylbenzimidazolinate) Ir(III) Carbene Complexes as a Blue Phosphorescent Material. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 926-933	3.3	35
100	Photoresponsive melamine barbiturate hydrogen-bonded assembly. <i>Chemical Communications</i> , 2003 , 1844-5	5.8	34
99	Unconventional hydrogen-bond-directed hierarchical co-assembly between perylene bisimide and azobenzene-functionalized melamine. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 3926-9	3.9	33
98	MAS NMR structure of a microcrystalline Cd-bacteriochlorophyll d analogue. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13374-5	16.4	33
97	Regio- and stereoisomeric control of the aggregation of zinc-chlorins possessing inverted interactive hydroxyl and carbonyl groups. <i>Journal of Organic Chemistry</i> , 2002 , 67, 49-58	4.2	33
96	Self-Organization of Hydrogen-Bonding Naphthalene Chromophores into J-type Nanorings and H-type Nanorods: Impact of Regioisomerism. <i>Angewandte Chemie</i> , 2012 , 124, 6747-6751	3.6	32
95	Evaluation of sensitizing ability of barbiturate-functionalized non-ionic cyanine dyes; application for photoinduced radical generation system initiated by near IR light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005 , 170, 123-129	4.7	32

94	Self-sorting regioisomers through the hierarchical organization of hydrogen-bonded rosettes. <i>Chemical Communications</i> , 2016 , 52, 8211-4	5.8	31
93	Catenation of self-assembled nanorings. <i>Chemistry - A European Journal</i> , 2011 , 17, 13657-60	4.8	30
92	Photoresponsive Circular Supramolecular Polymers: A Topological Trap and Photoinduced Ring-Opening Elongation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3764-3768	16.4	29
91	Gelation-Assisted Control over Excitonic Interaction in Merocyanine Supramolecular Assemblies. <i>Angewandte Chemie</i> , 2007 , 119, 8151-8155	3.6	29
90	Topological Impact on the Kinetic Stability of Supramolecular Polymers. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13196-13202	16.4	28
89	Solution processable hydrogen-bonded perylene bisimide assemblies organizing into lamellar architectures. <i>Chemical Communications</i> , 2011 , 47, 12447-9	5.8	28
88	MAS NMR Structures of Aggregated Cadmium Chlorins Reveal Molecular Control of Self-Assembly of Chlorosomal Bacteriochlorophylls. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 16556-16566	3.4	28
87	High-fidelity self-assembly pathways for hydrogen-bonding molecular semiconductors. <i>Scientific Reports</i> , 2017 , 7, 43098	4.9	27
86	Covalent modular approach for dimension-controlled self-organization of perylene bisimide dyes. <i>Chemistry - A European Journal</i> , 2013 , 19, 6561-5	4.8	27
85	Multifunctional, polymorphic, ionic fullerene supramolecular materials: self-assembly and thermotropic properties. <i>Langmuir</i> , 2011 , 27, 7493-501	4	27
84	Chirality in the Photochemical mer-fac Geometrical Isomerization of Tris(1-phenylpyrazolato,N,C2?)iridium(III). <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 2104-2109	2.3	27
83	Synthesis and noncovalent polymerization of self-complementary hydrogen-bonding supramolecular synthons: N,N'-disubstituted 4,6-diamino-pyrimidin-2(1H)-ones. <i>Chemical Communications</i> , 2004 , 1114-5	5.8	27
82	Self-assembly of synthetic 81-hydroxy-chlorophyll analogues. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1999 , 52, 74-85	6.7	27
81	Cyanurate-guided self-assembly of a melamine-capped oligo(p-phenylenevinylene). <i>Chemical Communications</i> , 2008 , 4466-8	5.8	26
80	Photocontrol Over Self-Assembled Nanostructures of Stacked Dyes Supported by the Parallel Conformer of Diarylethene. <i>Angewandte Chemie</i> , 2014 , 126, 2640-2644	3.6	24
79	Water-induced self-assembly of an amphiphilic perylene bisimide dyad into vesicles, fibers, coils, and rings. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 171-179	7.8	24
78	Water-induced helical supramolecular polymerization and gel formation of an alkylene-tethered perylene bisimide dyad. <i>Chemical Communications</i> , 2016 , 53, 168-171	5.8	23
77	Hydrogen-bonded oligothiophene rosettes with a benzodithiophene terminal unit: self-assembly and application to bulk heterojunction solar cells. <i>Chemical Communications</i> , 2016 , 52, 7874-7	5.8	23

76	Synthesis and self-aggregation of zinc chlorophylls possessing an β -hydroxyalkyl group: effect of distance between interactive hydroxy group and chlorin moiety on aggregation. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001 , 3135-3144		22
75	Exploiting Coordination Isomerism for Controlled Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15626-15630	16.4	21
74	Molecular arrangement of alkylated fullerenes in the liquid crystalline phase studied with X-ray diffraction. <i>Langmuir</i> , 2010 , 26, 4339-45	4	20
73	Systematic Synthesis of Tetrathia[8]circulenes: The Influence of Peripheral Substituents on the Structures and Properties in Solution and Solid States. <i>Journal of Organic Chemistry</i> , 2020 , 85, 62-69	4.2	20
72	Impact of helical organization on the photovoltaic properties of oligothiophene supramolecular polymers. <i>Chemical Science</i> , 2018 , 9, 3638-3643	9.4	19
71	Realization of a lateral directional order in nematic and smectic A phases of rodlike molecules by using perfluoroarene π - π interactions. <i>Soft Matter</i> , 2011 , 7, 5176	3.6	19
70	Hydrogen bond-directed supramolecular polymorphism leading to soft and hard molecular ordering. <i>Chemical Communications</i> , 2020 , 56, 4280-4283	5.8	18
69	One-shot preparation of topologically chimeric nanofibers via a gradient supramolecular copolymerization. <i>Nature Communications</i> , 2019 , 10, 4578	17.4	18
68	Self-Assembly Made Durable: Water-Repellent Materials Formed by Cross-Linking Fullerene Derivatives. <i>Angewandte Chemie</i> , 2009 , 121, 2200-2204	3.6	18
67	Structural and electronic properties of extremely long perylene bisimide nanofibers formed through a stoichiometrically mismatched, hydrogen-bonded complexation. <i>Small</i> , 2010 , 6, 2731-40	11	18
66	Simultaneous SAXS and SANS Analysis for the Detection of Toroidal Supramolecular Polymers Composed of Noncovalent Supermacrocycles in Solution. <i>Angewandte Chemie</i> , 2016 , 128, 10044-10047	3.6	17
65	Supramolecular Polymerization of Supermacrocycles: Effect of Molecular Conformations on Kinetics and Morphology. <i>Chemistry - A European Journal</i> , 2017 , 23, 5270-5280	4.8	16
64	Miniaturization of Nanofibers Composed of Melamine-appended Perylene Bisimides and Cyanurates. <i>Chemistry Letters</i> , 2008 , 37, 764-765	1.7	16
63	Indolocarbazoles end-capped with diketopyrrolopyrroles: impact of regioisomerism on the solid-state properties and the performance of solution-processed bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14686	13	15
62	Rationally controlled helical organization of a multiple-hydrogen-bonding oligothiophene: guest-induced transition of helical-to-twisted ribbons. <i>Chemical Communications</i> , 2011 , 47, 454-6	5.8	15
61	Tuning the Lifetime of Transient Phases of Mechanochromic Gold Isocyanide Complexes through Functionalization of the Terminal Moieties of Flexible Side Chains. <i>Chemistry Letters</i> , 2017 , 46, 1415-1418	1.7	14
60	Guided supramolecular polymerization of oligo(p-phenylenevinylene) functionalized bismelamines. <i>Chemical Communications</i> , 2013 , 49, 4941-3	5.8	14
59	Photoluminescence and Electroluminescence of 9,10-Bis(silylethynyl)anthracene. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2005 , 18, 65-68	0.7	14

58	Effect of an Aromatic Solvent on Hydrogen-Bond-Directed Supramolecular Polymerization Leading to Distinct Topologies. <i>Chemistry - A European Journal</i> , 2020 , 26, 8997-9004	4.8	13
57	Photoswitchable Exciton Coupling in Merocyanine-Diarylethene Multi-Chromophore Hydrogen-Bonded Complexes. <i>Angewandte Chemie</i> , 2012 , 124, 9817-9821	3.6	13
56	Hierarchical self-assembly of an azobenzene dyad with inverted amide connection into toroidal and tubular nanostructures. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 3996-3999	3.9	12
55	Time-resolved fluorescence of π (9-anthryl)- π (1-naphthyl)-oligosilanes: intramolecular electronic energy and charge transfer through π - π interactions. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 1029-1035	2.3	12
54	Light-regulated crystal growth of π -conjugated luminophores in an azobenzene matrix. <i>Communications Chemistry</i> , 2018 , 1,	6.3	12
53	Mechanistic Insights into the Self-Assembly of an Acid-Sensitive Photoresponsive Supramolecular Polymer. <i>Chemistry - A European Journal</i> , 2019 , 25, 9230-9236	4.8	11
52	Effect of Oligoethylene Chains on the Formation of Photoresponsive Nanotubes by Azobenzene Dyad. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 2475-2478	3.2	10
51	Phototriggered Supramolecular Polymerization of Barbituric Acid Rosette. <i>Chemistry Letters</i> , 2017 , 46, 111-114	1.7	10
50	Diarylethene-Powered Light-Induced Folding of Supramolecular Polymers. <i>Journal of the American Chemical Society</i> , 2021 , 143, 5845-5854	16.4	10
49	Photoresponsive Circular Supramolecular Polymers: A Topological Trap and Photoinduced Ring-Opening Elongation. <i>Angewandte Chemie</i> , 2019 , 131, 3804-3808	3.6	10
48	Preparation and characterization of silver nanoparticles on localized surface plasmon-enhanced optical absorption. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 11RE01	1.4	8
47	Perylene bisimide organogels formed by melamine-cyanurate/barbiturate hydrogen-bonded tapes. <i>Polymer Journal</i> , 2012 , 44, 600-606	2.7	8
46	Photophysics and photochemistry of positionally isomeric 1,2-dianthryltetramethyldisilanes: Investigation of anthryl-anthryl and anthryl-Si interactions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 218, 204-212	4.7	8
45	Two-Dimensional Chiral Self-Assembly of Barbituric-Acid-Functionalized Naphthalene Derivatives. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 6412-6416	3.8	7
44	Triplet-Triplet Annihilation-Based Upconversion Sensitized by a Reverse Micellar Assembly of Amphiphilic Ruthenium Complexes. <i>Langmuir</i> , 2019 , 35, 9740-9746	4	7
43	Photoresponsive supramolecular copolymers from diarylethene- π perylene bisimide hydrogen bonded complexes. <i>Polymer</i> , 2017 , 128, 356-362	3.9	6
42	Effect of Alkyl Substituents on 2D and 1D Self-assembly and Photovoltaic Properties of Hydrogen-bonded Oligothiophene Rosettes. <i>Chemistry Letters</i> , 2017 , 46, 1102-1104	1.7	6
41	A Perylene Bisimide Organogelator for Chlorinated Solvents. <i>Asian Journal of Organic Chemistry</i> , 2014 , 3, 128-132	3	6

40	Small molecular host based on carbazole and m-terphenyl derivatives for efficient solution processed organic light-emitting diodes. <i>Synthetic Metals</i> , 2012 , 162, 303-308	3.6	6
39	Photochemistry of 5-nitro-1,2-benzisothiazole derivatives: effects of substituents, solvents and excitation wavelength. <i>Tetrahedron Letters</i> , 2008 , 49, 3444-3448	2	6
38	Nanoengineering of Curved Supramolecular Polymers: Toward Single-Chain Mesoscale Materials. <i>Accounts of Materials Research</i> ,	7.5	6
37	Self-assembly of alkylated and perfluoroalkylated scissor-shaped azobenzene dyads into distinct structures. <i>Chemical Communications</i> , 2020 , 56, 15619-15622	5.8	6
36	Supramolecular Organization and Photovoltaic Properties of Barbiturated Oligothiophenes. <i>Chemistry Letters</i> , 2019 , 48, 1009-1018	1.7	5
35	Self-Sorting of Rosette-Forming Naphthalene Barbiturates into Distinct Toroidal Assemblies. <i>ChemPlusChem</i> , 2019 , 84, 619-622	2.8	5
34	Kontrolle der Selbstassemblierung durch Ausnutzung von Koordinationsisomerie. <i>Angewandte Chemie</i> , 2019 , 131, 15772-15776	3.6	5
33	Self-assembled Nanofibrils and Nanorings Formed from Oligo(p-phenylenevinylene) Dimers. <i>Chemistry Letters</i> , 2013 , 42, 799-800	1.7	5
32	Two-dimensional organization of mono- and bisurea supramolecular polymers studied by scanning tunneling microscopy. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 803-8	1.3	5
31	Fluorescence Patterning using Photochemical Cycloaddition of Di-9,9-Enthracene Conjugates linked by Permethysilyl Chains. <i>Journal of Photopolymer Science and Technology = [Fotopolimeri Konwakai Shi]</i> , 2010 , 23, 789-794	0.7	5
30	Biasing the Hierarchy Motifs of Nanotoroids: from 1D Nanotubes to 2D Porous Networks. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	5
29	Fluorescent Supramolecular Polymorphism Driven by Distinct Hydrogen Bonding Lattice. <i>Chemistry Letters</i> , 2020 , 49, 1009-1012	1.7	4
28	Time-resolved fluorescence of μ Di(1-naphthyl)oligosilanes and 1-naphthyloligosilanes: intramolecular excimer formation and charge-transfer interactions. <i>Research on Chemical Intermediates</i> , 2013 , 39, 347-357	2.8	4
27	Doping Effect of CBP in Bulk-heterojunction Photovoltaic Devices Composed of P3HT and Soluble Perylene Bisimide. <i>Molecular Crystals and Liquid Crystals</i> , 2013 , 578, 88-94	0.5	4
26	Determination of the Glucose in Serum by the FT-IR-ATR Method. <i>Bunseki Kagaku</i> , 2005 , 54, 149-154	0.2	4
25	Photoresponsive Supramolecular Polymers 2019 , 45-90		4
24	Effect of Azobenzene Regioisomerism on Intrinsically Curved Supramolecular Polymers. <i>Asian Journal of Organic Chemistry</i> , 2021 , 10, 257-261	3	4
23	Supramolecular polymerization of hydrogen-bonded rosettes with anthracene chromophores: regioisomeric effect on nanostructures. <i>Polymer Journal</i> , 2017 , 49, 189-195	2.7	3

22	Effect of Alkyl Group on the Photocrosslinking of Alkyl Methacrylate Based Copolymers. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2013 , 26, 259-270	0.7	3
21	Functionalized Cyclohexyl methacrylate based Copolymers for Negative Resist. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2011 , 24, 535-547	0.7	3
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