

Vladimir Stepanenko

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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.

93 papers	6,215 citations	42 h-index	78 g-index
100 ext. papers	6,998 ext. citations	9.4 avg, IF	5.99 L-index

#	Paper	IF	Citations
93	Photoluminescence and conductivity of self-assembled pi-pi stacks of perylene bisimide dyes. <i>Chemistry - A European Journal</i> , 2007 , 13, 436-49	4.8	517
92	Supramolecular construction of fluorescent J-aggregates based on hydrogen-bonded perylene dyes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5541-4	16.4	403
91	Control of H- and J-type pi stacking by peripheral alkyl chains and self-sorting phenomena in perylene bisimide homo- and heteroaggregates. <i>Chemistry - A European Journal</i> , 2008 , 14, 11343-57	4.8	370
90	Mechanism of self-assembly process and seeded supramolecular polymerization of perylene bisimide organogelator. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3300-7	16.4	326
89	Fluorescent J-aggregates of core-substituted perylene bisimides: studies on structure-property relationship, nucleation-elongation mechanism, and sergeants-and-soldiers principle. <i>Journal of the American Chemical Society</i> , 2009 , 131, 6719-32	16.4	292
88	Preparation and characterization of regioisomerically pure 1,7-disubstituted perylene bisimide dyes. <i>Journal of Organic Chemistry</i> , 2004 , 69, 7933-9	4.2	291
87	One-dimensional luminescent nanoaggregates of perylene bisimides. <i>Chemical Communications</i> , 2006 , 1188-90	5.8	193
86	Impact of Alkyl Spacer Length on Aggregation Pathways in Kinetically Controlled Supramolecular Polymerization. <i>Journal of the American Chemical Society</i> , 2016 , 138, 670-8	16.4	165
85	A Black Perylene Bisimide Super Gelator with an Unexpected J-Type Absorption Band. <i>Advanced Materials</i> , 2008 , 20, 1695-1698	24	161
84	Supramolecular block copolymers by kinetically controlled co-self-assembly of planar and core-twisted perylene bisimides. <i>Nature Communications</i> , 2015 , 6, 7009	17.4	149
83	Functional organogels from highly efficient organogelator based on perylene bisimide semiconductor. <i>Chemical Communications</i> , 2006 , 3871-3	5.8	144
82	Supramolecular Construction of Fluorescent J-Aggregates Based on Hydrogen-Bonded Perylene Dyes. <i>Angewandte Chemie</i> , 2007 , 119, 5637-5640	3.6	123
81	Cooperative supramolecular polymerization driven by metallophilic Pd \cdots Pd interactions. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2148-51	16.4	120
80	Near-IR Absorbing J-Aggregate of an Amphiphilic BF ₂ -Azadipyrrromethene Dye by Kinetic Cooperative Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5729-5733	16.4	119
79	Self-assembly and (hydro)gelation triggered by cooperative π - π and unconventional C-H \cdots X hydrogen bonding interactions. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 700-5	16.4	118
78	Microtubular Self-Assembly of Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 846-850	16.4	114
77	Waste-free and facile solid-state protection of diamines, anthranilic acid, diols, and polyols with phenylboronic acid. <i>Chemistry - A European Journal</i> , 2003 , 9, 4156-61	4.8	111

76	Living Supramolecular Polymerization of a Perylene Bisimide Dye into Fluorescent J-Aggregates. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16008-16012	16.4	109
75	Supramolecular Polymorphism in One-Dimensional Self-Assembly by Kinetic Pathway Control. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6092-6107	16.4	102
74	Hierarchical growth of fluorescent dye aggregates in water by fusion of segmented nanostructures. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1270-4	16.4	101
73	High-performance organic thin-film transistors of J-stacked squaraine dyes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2351-62	16.4	97
72	Biosupramolecular nanowires from chlorophyll dyes with exceptional charge-transport properties. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6378-82	16.4	83
71	Unraveling Concomitant Packing Polymorphism in Metallosupramolecular Polymers. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5192-5200	16.4	70
70	Spermine-functionalized perylene bisimide dyes--highly fluorescent bola-amphiphiles in water. <i>Chemistry - A European Journal</i> , 2010 , 16, 3372-82	4.8	66
69	Supramolecular Block Copolymers by Seeded Living Polymerization of Perylene Bisimides. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12044-12054	16.4	65
68	Perylene bisimide hydrogels and lyotropic liquid crystals with temperature-responsive color change. <i>Chemical Science</i> , 2016 , 7, 6786-6790	9.4	64
67	Chiral J-aggregates of atropo-enantiomeric perylene bisimides and their self-sorting behavior. <i>Chemistry - A European Journal</i> , 2012 , 18, 7060-70	4.8	64
66	Influence of Solid-State Packing of Dipolar Merocyanine Dyes on Transistor and Solar Cell Performances. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13524-34	16.4	58
65	Evidence for kinetic nucleation in helical nanofiber formation directed by chiral solvent for a perylene bisimide organogelator. <i>Chemistry - A European Journal</i> , 2013 , 19, 4176-83	4.8	58
64	H-aggregates of oligophenyleneethynylene (OPE)-BODIPY systems in water: guest size-dependent encapsulation mechanism and co-aggregate morphology. <i>Chemistry - A European Journal</i> , 2014 , 20, 10669-78	4.8	57
63	Step-wise self-assembly of a small molecule with two orthogonal binding interactions leads to single stranded linear polymers in DMSO. <i>Chemical Communications</i> , 2009 , 698-700	5.8	57
62	Subcomponent self-assembly of a 4 nm M4 L6 tetrahedron with Zn(II) vertices and perylene bisimide dye edges. <i>Chemistry - A European Journal</i> , 2015 , 21, 2766-9	4.8	52
61	Cooperative supramolecular polymerization: comparison of different models applied on the self-assembly of bis(merocyanine) dyes. <i>Chemistry - A European Journal</i> , 2013 , 19, 206-17	4.8	50
60	A new type of soft vesicle-forming molecule: an amino acid derived guanidiniocarbonyl pyrrole carboxylate zwitterion. <i>Organic Letters</i> , 2008 , 10, 1469-72	6.2	48
59	Exciton Coupling of Merocyanine Dyes from H- to J-type in the Solid State by Crystal Engineering. <i>Nano Letters</i> , 2017 , 17, 1719-1726	11.5	47

58	Influence of Ester versus Amide Linkers on the Supramolecular Polymerization Mechanisms of Planar BODIPY Dyes. <i>Chemistry - A European Journal</i> , 2016 , 22, 15772-15777	4.8	47
57	Embedding of a ruthenium(II) water oxidation catalyst into nanofibers via self-assembly. <i>Chemical Communications</i> , 2015 , 51, 290-3	5.8	46
56	An organogelator design without solubilizing side chains by backbone contortion of a perylene bisimide pigment. <i>Materials Horizons</i> , 2014 , 1, 355	14.4	45
55	Rigid-rod metallosupramolecular polymers of dendronized diazadibenzoperylene dyes. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1939-42	16.4	44
54	Hydrogen-bonded perylene bisimide J-aggregate aqua material. <i>Chemical Science</i> , 2018 , 9, 6904-6911	9.4	43
53	Narcissistic versus social self-sorting of oligophenyleneethynylene derivatives: from isodesmic self-assembly to cooperative co-assembly. <i>Chemistry - A European Journal</i> , 2012 , 18, 15607-11	4.8	43
52	Self-assembly and layer-by-layer deposition of metallosupramolecular perylene bisimide polymers. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6816		42
51	Alternated stacks of nonpolar oligo(p-phenyleneethynylene)-BODIPY systems. <i>Chemistry - A European Journal</i> , 2012 , 18, 14957-61	4.8	41
50	Self-assembly and semiconductivity of an oligothiophene supragelator. <i>Beilstein Journal of Organic Chemistry</i> , 2010 , 6, 1070-8	2.5	39
49	Hierarchical Growth of Fluorescent Dye Aggregates in Water by Fusion of Segmented Nanostructures. <i>Angewandte Chemie</i> , 2014 , 126, 1294-1298	3.6	38
48	Selbstorganisation und Bildung von (Hydro-)Gelen durch kooperative Wechselwirkungen und unkonventionelle C-H...X-Wasserstoffbrücken. <i>Angewandte Chemie</i> , 2014 , 126, 716-722	3.6	38
47	Living Supramolecular Polymerization of a Perylene Bisimide Dye into Fluorescent J-Aggregates. <i>Angewandte Chemie</i> , 2017 , 129, 16224-16228	3.6	37
46	Organic Thin Film Transistors Based on Highly Dipolar Donor-Acceptor Polymethine Dyes. <i>Advanced Functional Materials</i> , 2015 , 25, 44-57	15.6	37
45	Self-Assembly of 9,10-Bis(phenylethynyl) Anthracene (BPEA) Derivatives: Influence of π - π and Hydrogen-Bonding Interactions on Aggregate Morphology and Self-Assembly Mechanism. <i>Chemistry - A European Journal</i> , 2017 , 23, 6198-6205	4.8	34
44	Persistent Room Temperature Phosphorescence from Triarylboranes: A Combined Experimental and Theoretical Study. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17137-17144	16.4	34
43	Multiple CH...O interactions involving glycol chains as driving force for the self-assembly of amphiphilic Pd(II) complexes. <i>Chemical Communications</i> , 2014 , 50, 13366-9	5.8	33
42	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
41	Structure-property relationship of perylene bisimide macrocycles probed by atomic force microscopy and single-molecule fluorescence spectroscopy. <i>ACS Nano</i> , 2013 , 7, 5064-76	16.7	32

40	Near-IR Absorbing J-Aggregate of an Amphiphilic BF ₂ -Azadipyrromethene Dye by Kinetic Cooperative Self-Assembly. <i>Angewandte Chemie</i> , 2017 , 129, 5823-5827	3.6	31
39	Alkaline earth imidazolate coordination polymers by solvent free melt synthesis as potential host lattices for rare earth photoluminescence: (x)[[AE(Im) ₂ (ImH)(2-3)]], Mg, Ca, Sr, Ba, x = 1-2. <i>Dalton Transactions</i> , 2012 , 41, 4067-78	4.3	31
38	Control over the Self-Assembly Modes of Pt(II) Complexes by Alkyl Chain Variation: From Slipped to Parallel Stacks. <i>Chemistry - A European Journal</i> , 2016 , 22, 7810-6	4.8	28
37	Assembly of DNA triangles mediated by perylene bisimide caps. <i>Chemistry - A European Journal</i> , 2011 , 17, 6683-8	4.8	26
36	Hierarchical self-assembly of cyclic dye arrays into two-dimensional honeycomb nanonetworks. <i>Small</i> , 2008 , 4, 2158-61	11	26
35	An Efficient Narrowband Near-Infrared at 1040 nm Organic Photodetector Realized by Intermolecular Charge Transfer Mediated Coupling Based on a Squaraine Dye. <i>Advanced Materials</i> , 2021 , 33, e2100582	24	24
34	Reorganization of perylene bisimide J-aggregates: from delocalized collective to localized individual excitations. <i>Nanoscale</i> , 2012 , 4, 218-23	7.7	22
33	Impact of 2-Ethylhexyl Stereoisomers on the Electrical Performance of Single-Crystal Field-Effect Transistors. <i>Advanced Materials</i> , 2018 , 30, e1804032	24	22
32	Impact of core chirality on mesophase properties of perylene bisimides. <i>Journal of Materials Chemistry</i> , 2011 , 21, 7201		21
31	Self-Sorting Supramolecular Polymerization: Helical and Lamellar Aggregates of Tetra-Bay-Acyloxy Perylene Bisimide. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17084-17090	16.4	20
30	Protein-like Enwrapped Perylene Bisimide Chromophore as a Bright Microcrystalline Emitter Material. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13385-13389	16.4	20
29	Charge transport through perylene bisimide molecular junctions: An electrochemical approach. <i>Physica Status Solidi (B): Basic Research</i> , 2013 , 250, 2458-2467	1.3	20
28	Cooperative nanoparticle H-type self-assembly of a bolaamphiphilic BODIPY derivative in aqueous medium. <i>Polymer</i> , 2017 , 128, 317-324	3.9	19
27	Concentration-dependent patterns at the liquid/solid interface. <i>Chemical Science</i> , 2015 , 6, 5853-5858	9.4	19
26	Polymorphism in Squaraine Dye Aggregates by Self-Assembly Pathway Differentiation: Panchromatic Tubular Dye Nanorods versus J-Aggregate Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11949-11958	16.4	19
25	Perylene bisimide macrocycles and their self-assembly on HOPG surfaces. <i>Chemical Communications</i> , 2010 , 46, 8350-2	5.8	18
24	Exploiting N-H...Cl Hydrogen Bonding Interactions in Cooperative Metallosupramolecular Polymerization. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800191	4.8	16
23	Impact of Molecular Shape on Supramolecular Copolymer Synthesis in Seeded Living Polymerization of Perylene Bisimides. <i>CCS Chemistry</i> , 2019 , 1, 598-613	7.2	16

22	Control of self-assembly pathways toward conglomerate and racemic supramolecular polymers. <i>Nature Communications</i> , 2020 , 11, 5460	17.4	16
21	Rigid-Rod Metallosupramolecular Polymers of Dendronized Diazadibenzoperylene Dyes. <i>Angewandte Chemie</i> , 2006 , 118, 1973-1976	3.6	14
20	Effect of synthesis temperature on the morphology and stability of copper(I) hydride nanoparticles. <i>CrystEngComm</i> , 2013 , 15, 8450	3.3	13
19	Biosupramolecular Nanowires from Chlorophyll Dyes with Exceptional Charge-Transport Properties. <i>Angewandte Chemie</i> , 2012 , 124, 6484-6488	3.6	13
18	Linking two worlds in polymer chemistry: The influence of block uniformity and dispersity in amphiphilic block copolypeptoids on their self-assembly. <i>Biopolymers</i> , 2019 , 110, e23259	2.2	10
17	DABCO-mediated self-assembly of zinc porphyrin-perylene bisimide monodisperse multichromophoric nanoparticles. <i>Chemistry - A European Journal</i> , 2010 , 16, 2386-90	4.8	10
16	Anisotropic microfibres of a liquid-crystalline diketopyrrolopyrrole by self-assembly-assisted electrospinning. <i>Nanoscale Horizons</i> , 2019 , 4, 169-174	10.8	8
15	Self-Sorting Supramolecular Polymerization: Helical and Lamellar Aggregates of Tetra-Bay-Acyloxy Perylene Bisimide. <i>Angewandte Chemie</i> , 2020 , 132, 17232-17238	3.6	8
14	Efficient Electrochemical Water Oxidation by a Trinuclear Ru(bda) Macrocycle Immobilized on Multi-Walled Carbon Nanotube Electrodes. <i>Advanced Energy Materials</i> , 2020 , 10, 2002329	21.8	8
13	Cooperative Self-Assembly Transfer from Hierarchical Supramolecular Polymers to Gold Nanoparticles. <i>ACS Nano</i> , 2015 , 9, 11241-8	16.7	7
12	Surface-Promoted Evolution of Ru-bda Coordination Oligomers Boosts the Efficiency of Water Oxidation Molecular Anodes. <i>Journal of the American Chemical Society</i> , 2021 , 143, 11651-11661	16.4	7
11	Persistent Room Temperature Phosphorescence from Triarylboranes: A Combined Experimental and Theoretical Study. <i>Angewandte Chemie</i> , 2020 , 132, 17285-17292	3.6	6
10	Polymorphism in Squaraine Dye Aggregates by Self-Assembly Pathway Differentiation: Panchromatic Tubular Dye Nanorods versus J-Aggregate Nanosheets. <i>Angewandte Chemie</i> , 2021 , 133, 12056-12065	3.6	5
9	A Self-Assembled Unit Comprising 12 Squaraine Dyes Built Up from Two Star-Shaped Hexasquarainyl-Benzene Molecules. <i>Chemistry - A European Journal</i> , 2019 , 25, 2831-2839	4.8	5
8	Protein-like Enwrapped Perylene Bisimide Chromophore as a Bright Microcrystalline Emitter Material. <i>Angewandte Chemie</i> , 2019 , 131, 13519-13523	3.6	4
7	Efficient Electronic Coupling in Perylenediimide Multilayered Films on Indium Tin Oxide. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 5541-5551	3.8	4
6	Semitransparent Layers of Social Self-Sorting Merocyanine Dyes for Ultranarrow Bandwidth Organic Photodiodes. <i>Advanced Optical Materials</i> , 2021 , 9, 2100213	8.1	4
5	Tuning Aqueous Supramolecular Polymerization by an Acid-Responsive Conformational Switch. <i>Chemistry - A European Journal</i> , 2020 , 26, 10005-10013	4.8	3

4	Modulation of Crystallinity and Optical Properties in Composite Materials Combining Iron Oxide Nanoparticles and Dye-Containing Covalent Organic Frameworks. <i>Organic Materials</i> , 2021 , 03, 017-024	1.9	1
3	Titelbild: Near-IR Absorbing J-Aggregate of an Amphiphilic BF ₂ -Azadipyrromethene Dye by Kinetic Cooperative Self-Assembly (Angew. Chem. 21/2017). <i>Angewandte Chemie</i> , 2017 , 129, 5725-5725	3.6	
2	Organic Electronics: Organic Thin Film Transistors Based on Highly Dipolar Donor-Acceptor Polymethine Dyes (Adv. Funct. Mater. 1/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 167-167	15.6	
1	Organic Electronics: Impact of 2-Ethylhexyl Stereoisomers on the Electrical Performance of Single-Crystal Field-Effect Transistors (Adv. Mater. 44/2018). <i>Advanced Materials</i> , 2018 , 30, 1870336	24	