

Vakayil K Praveen

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.

66

papers

6,997

citations

38

h-index

72

g-index

72

ext. papers

7,448

ext. citations

11.2

avg, IF

6.34

L-index

#	Paper	IF	Citations
66	Effect of laser ablated gold nanoparticles on the nonlinear optical properties of β -extended BODIPY dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 113997	4.7	1
65	Tweaking a BODIPY Spherical Self-Assembly to 2D Supramolecular Polymers Facilitates Excited-State Cascade Energy Transfer. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7851-7859	16.4	16
64	Tweaking a BODIPY Spherical Self-Assembly to 2D Supramolecular Polymers Facilitates Excited-State Cascade Energy Transfer. <i>Angewandte Chemie</i> , 2021 , 133, 7930-7938	3.6	2
63	Hexamethine hemicyanine dye as a thermo-optical probe for serum albumin. <i>Optics and Laser Technology</i> , 2021 , 143, 107351	4.2	1
62	Helical supramolecular polymers with rationally designed binding sites for chiral guest recognition. <i>Nature Communications</i> , 2020 , 11, 2311	17.4	10
61	Self-Assembled Extended β -Systems for Sensing and Security Applications. <i>Accounts of Chemical Research</i> , 2020 , 53, 496-507	24.3	52
60	Enhanced Emission in Self-Assembled Phenyleneethynylene Derived β -Gelators. <i>Advanced Optical Materials</i> , 2020 , 8, 2000173	8.1	13
59	Transition-Metal-Catalyzed Syntheses of Indazoles. <i>Asian Journal of Organic Chemistry</i> , 2020 , 9, 1410-1431	3	3
58	Superbase-Mediated Indirect Friedländer Reaction: A Transition Metal-Free Oxidative Annulation toward Functionalized Quinolines. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 3081-3089	3.2	3
57	A self-recovering mechanochromic chiral β -gelator. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 1292-1297	7.1	22
56	Synthesis of hybrid polycycles containing fused hydroxy benzofuran and 1H-indazoles via a domino cyclization reaction. <i>New Journal of Chemistry</i> , 2019 , 43, 10166-10175	3.6	7
55	Bimodal detection of carbon dioxide using fluorescent molecular aggregates. <i>Chemical Communications</i> , 2019 , 55, 6046-6049	5.8	11
54	Hybrid Materials from Poly(vinyl chloride) and Organogels. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 1203-1208	4.3	6
53	Transforming a β -Symmetrical Liquid Crystal to a β -Gelator by Alkoxy Chain Variation. <i>ACS Omega</i> , 2018 , 3, 4392-4399	3.9	9
52	Hybrid materials of 1D and 2D carbon allotropes and synthetic β -systems. <i>NPG Asia Materials</i> , 2018 , 10, 107-126	10.3	32
51	A Hybrid Organogel of a Low Band Gap Diketopyrrolopyrrole with PC71BM: Phase Separated Morphology and Enhanced Photoconductivity. <i>ChemNanoMat</i> , 2018 , 4, 831-836	3.5	10
50	Supramolecular Reassembly of Self-Exfoliated Ionic Covalent Organic Nanosheets for Label-Free Detection of Double-Stranded DNA. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8443-8447	16.4	85

49	Self-Assembly of Bodipy-Derived Extended β Systems. <i>Bulletin of the Chemical Society of Japan</i> , 2018 , 91, 100-120	5.1	74
48	Supramolecular Reassembly of Self-Exfoliated Ionic Covalent Organic Nanosheets for Label-Free Detection of Double-Stranded DNA. <i>Angewandte Chemie</i> , 2018 , 130, 8579-8583	3.6	23
47	Chapter 7: Stimuli-responsive Supramolecular Gels. <i>Monographs in Supramolecular Chemistry</i> , 2018 , 190-226		7
46	Functionalizable 1H-Indazoles by Palladium Catalyzed Aza-Nenitzescu Reaction: Pharmacophores to Donor-Acceptor Type Multi-Luminescent Fluorophores. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 2094-2104	3	12
45	An unprecedented amplification of near-infrared emission in a Bodipy derived β System by stress or gelation. <i>Chemical Science</i> , 2017 , 8, 5644-5649	9.4	44
44	Self-Assembly in Sensor Nanotechnology 2017 , 297-320		4
43	One-Pot MCR-Oxidation Approach toward Indole-Fused Heteroacenes. <i>Journal of Organic Chemistry</i> , 2017 , 82, 10537-10548	4.2	33
42	The Helix to Super-Helix Transition in the Self-Assembly of β Systems: Superseding of Molecular Chirality at Hierarchical Level. <i>Angewandte Chemie</i> , 2017 , 129, 12808-12812	3.6	40
41	The Helix to Super-Helix Transition in the Self-Assembly of β Systems: Superseding of Molecular Chirality at Hierarchical Level. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12634-12638	16.4	85
40	The Rise of Near-Infrared Emitters: Organic Dyes, Porphyrinoids, and Transition Metal Complexes. <i>Topics in Current Chemistry</i> , 2016 , 374, 47	7.2	47
39	The Chemistry and Applications of β Gels. <i>Annual Review of Materials Research</i> , 2016 , 46, 235-262	12.8	128
38	Supercoiled fibres of self-sorted donor-acceptor stacks: a turn-off/turn-on platform for sensing volatile aromatic compounds. <i>Chemical Science</i> , 2016 , 7, 4460-4467	9.4	71
37	Light driven mesoscale assembly of a coordination polymeric gelator into flowers and stars with distinct properties. <i>Chemical Science</i> , 2015 , 6, 6583-6591	9.4	52
36	Translation of the assembling trajectory by preorganisation: a study of the magnetic properties of 1D polymeric unpaired electrons immobilised on a discrete nanoscopic scaffold. <i>Chemical Communications</i> , 2015 , 51, 1206-9	5.8	7
35	Detection of nitroaromatic explosives with fluorescent molecular assemblies and β gels. <i>Chemical Record</i> , 2015 , 15, 252-65	6.6	99
34	Pyridyl-Amides as a Multimode Self-Assembly Driver for the Design of a Stimuli-Responsive β Gelator. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2250-6	4.5	28
33	A slippery molecular assembly allows water as a self-erasable security marker. <i>Scientific Reports</i> , 2015 , 5, 9842	4.9	61
32	CHAPTER 11: Metallosupramolecular Materials for Energy Applications: Light Harvesting. <i>RSC Smart Materials</i> , 2015 , 318-344	0.6	6

31	White-light-emitting supramolecular gels. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 365-8	16.4	208
30	Functional gels and their applications. <i>Chemical Reviews</i> , 2014 , 114, 1973-2129	68.1	1375
29	Photoresponsive metal-organic materials: exploiting the azobenzene switch. <i>Materials Horizons</i> , 2014 , 1, 572-576	14.4	62
28	Oligo(phenylenevinylene) hybrids and self-assemblies: versatile materials for excitation energy transfer. <i>Chemical Society Reviews</i> , 2014 , 43, 4222-42	58.5	163
27	Effect of the bulkiness of the end functional amide groups on the optical, gelation, and morphological properties of oligo(p-phenylenevinylene) gels. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 1830-40	4.5	26
26	Weißlichtemittierende supramolekulare Gele. <i>Angewandte Chemie</i> , 2014 , 126, 373-376	3.6	45
25	Ultrasound stimulated nucleation and growth of a dye assembly into extended gel nanostructures. <i>Chemistry - A European Journal</i> , 2013 , 19, 12991-3001	4.8	74
24	Excitation energy migration in oligo(p-phenylenevinylene) based organogels: structure-property relationship and FRET efficiency. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 4942-9	3.6	73
23	Shape-directed assembly of a "macromolecular barb" into nanofibers: stereospecific cyclopolymerization of isopropylidene diallylmalonate. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3292-4	16.4	38
22	Photophysical investigation of 3-substituted 4-alkyl and/or 7-acetoxy coumarin derivatives--a study of the effect of substituents on fluorescence. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 75, 1610-6	4.4	37
21	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> , 2009 , 21, 2059-2063	24	252
20	Anisotropic Self-Assembly of Photoluminescent Oligo(p-Phenylenevinylene) Derivatives in Liquid Crystals: An Effective Strategy for the Macroscopic Alignment of gels. <i>Advanced Materials</i> , 2009 , 21, 4029-4033	24	53
19	Probing the initial stages of molecular organization of oligo(p-phenylenevinylene) assemblies with monolayer protected gold nanoparticles. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 840-8	4.5	33
18	Noncovalent Macromolecular Architectures of Oligo(p-phenylenevinylene)s (OPVs): Role of End Functional Groups on the Gelation of Organic Solvents. <i>Macromolecular Symposia</i> , 2008 , 273, 25-32	0.8	11
17	Helical Supramolecular Architectures of Self-Assembled Linear Systems. <i>Bulletin of the Chemical Society of Japan</i> , 2008 , 81, 1196-1211	5.1	96
16	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> , 2008 , 14, 9577-84	4.8	113
15	Carbon nanotube triggered self-assembly of oligo(p-phenylene vinylene)s to stable hybrid pi-gels. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 5746-9	16.4	112
14	Bioinspired superhydrophobic coatings of carbon nanotubes and linear pi systems based on the "bottom-up" self-assembly approach. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 5750-4	16.4	145

13	Organogels as scaffolds for excitation energy transfer and light harvesting. <i>Chemical Society Reviews</i> , 2008 , 37, 109-22	58.5	658
12	Pi-organogels of self-assembled p-phenylenevinylens: soft materials with distinct size, shape, and functions. <i>Accounts of Chemical Research</i> , 2007 , 40, 644-56	24.3	802
11	Molecular wire encapsulated into pi organogels: efficient supramolecular light-harvesting antennae with color-tunable emission. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 6260-5	16.4	276
10	Quadrupolar Gels: Sol-Gel Tunable Red-Green-Blue Emission in Donor-Acceptor-Type Oligo(p-phenylenevinylene)s. <i>Advanced Materials</i> , 2007 , 19, 411-415	24	149
9	Evolution of nano- to micro-sized spherical assemblies of a short oligo(p-phenyleneethynylene) into superstructured organogels. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 3261-4	16.4	173
8	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> , 2006 , 45, 7729-32	16.4	196
7	Evolution of Nano- to Micro-sized Spherical Assemblies of a Short Oligo(p-phenyleneethynylene) into Superstructured Organogels. <i>Angewandte Chemie</i> , 2006 , 118, 3339-3342	3.6	63
6	From Vesicles to Helical Nanotubes: A Sergeant-and-Soldiers Effect in the Self-Assembly of Oligo(p-phenyleneethynylene)s. <i>Angewandte Chemie</i> , 2006 , 118, 7893-7896	3.6	62
5	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> , 2006 , 128, 7174-5	16.4	164
4	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> , 2006 , 128, 7542-50	16.4	147
3	Self-Assembled Fibrillar Networks of Oligo(p-phenylenevinylene) Based Organogelators. <i>Macromolecular Symposia</i> , 2006 , 241, 1-8	0.8	19
2	Gelation-Assisted Light Harvesting by Selective Energy Transfer from an Oligo(p-phenylenevinylene)-Based Self-Assembly to an Organic Dye. <i>Angewandte Chemie</i> , 2003 , 115, 346-349	3.6	59
1	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> , 2003 , 42, 332-5	16.4	209