

# Sukumaran Santhosh Babu

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

5,059  
citations

201385

27  
h-index

197535

49  
g-index

55  
all docs

55  
docs citations

55  
times ranked

5565  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional $\pi$ -Gelators and Their Applications. <i>Chemical Reviews</i> , 2014, 114, 1973-2129.	23.0	1,548
2	Self-Assembled Gelators for Organic Electronics. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1766-1776.	7.2	493
3	Attogram Sensing of Trinitrotoluene with a Self-Assembled Molecular Gelator. <i>Journal of the American Chemical Society</i> , 2012, 134, 4834-4841.	6.6	467
4	Recent progress in morphology control of supramolecular fullerene assemblies and its applications. <i>Chemical Society Reviews</i> , 2010, 39, 4021.	18.7	290
5	Solvent-Free Luminescent Organic Liquids. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3391-3395.	7.2	187
6	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, 7174-7175.	6.6	176
7	Nonvolatile liquid anthracenes for facile full-colour luminescence tuning at single blue-light excitation. <i>Nature Communications</i> , 2013, 4, 1969.	5.8	167
8	Excited State Processes in Linear $\pi$ -System-Based Organogels. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 3413-3424.	2.1	166
9	Imidazole-Linked Crystalline Two-Dimensional Polymer with Ultrahigh Proton-Conductivity. <i>Journal of the American Chemical Society</i> , 2019, 141, 14950-14954.	6.6	148
10	Carbon Nanotube Triggered Self-Assembly of Oligo( <i>p</i> -phenylene vinylene)s to Stable Hybrid $\pi$ -Gels. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5746-5749.	7.2	119
11	Self-Assembly of Oligo( <i>para</i> -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, 9577-9584.	1.7	117
12	Efficient metal-free organic room temperature phosphors. <i>Chemical Science</i> , 2021, 12, 4216-4236.	3.7	117
13	Helical Supramolecular Architectures of Self-Assembled Linear $\pi$ -Systems. <i>Bulletin of the Chemical Society of Japan</i> , 2008, 81, 1196-1211.	2.0	99
14	Paintable Room-Temperature Phosphorescent Liquid Formulations of Alkylated Bromonaphthalimide. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2284-2288.	7.2	82
15	Nonvolatile functional molecular liquids. <i>Chemical Communications</i> , 2013, 49, 9373.	2.2	70
16	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.	2.7	61
17	Solvent-Directed Self-Assembly of $\pi$ -Gelators to Hierarchical Macroporous Structures and Aligned Fiber Bundles. <i>Chemistry - an Asian Journal</i> , 2009, 4, 824-829.	1.7	58
18	Anisotropic Self-Assembly of Photoluminescent Oligo( <i>p</i> -Phenylenevinylene) Derivatives in Liquid Crystals: An Effective Strategy for the Macroscopic Alignment of $\pi$ -Gels. <i>Advanced Materials</i> , 2009, 21, 4029-4033.	11.1	56

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19	Self-Assembled Helical Arrays for the Stabilization of the Triplet State. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13079-13085.	7.2	56
20	Counteranion Driven Homochiral Assembly of a Cationic $C_3$ -Symmetric Gelator through Ion-Pair Assisted Hydrogen Bond. <i>Journal of the American Chemical Society</i> , 2016, 138, 11113-11116.	6.6	48
21	Assembly of carbon nanotubes and alkylated fullerenes: nanocarbon hybrid towards photovoltaic applications. <i>Chemical Science</i> , 2011, 2, 2243.	3.7	47
22	Mechano-responsive room temperature luminescence variations of boron conjugated pyrene in air. <i>Chemical Communications</i> , 2018, 54, 6028-6031.	2.2	42
23	Self-Assembled Helical Arrays for the Stabilization of the Triplet State. <i>Angewandte Chemie</i> , 2020, 132, 13179-13185.	1.6	38
24	Pyridyl-Amides as a Multimode Self-Assembly Driver for the Design of a Stimuli-Responsive Gelator. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2250-2256.	1.7	31
25	CdSe Nanocrystal/C60-liquid composite material with enhanced photoelectrochemical performance. <i>Journal of Materials Chemistry</i> , 2012, 22, 22370.	6.7	30
26	Self-Organization of Polar Porphyrinoids. <i>ChemPlusChem</i> , 2014, 79, 895-906.	1.3	28
27	Effect of the Bulkiness of the End Functional Amide Groups on the Optical, Gelation, and Morphological Properties of Oligo( <i>p</i> -phenylenevinylene) Gelators. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1830-1840.	1.7	27
28	Metalloporphyrin Two-Dimensional Polymers via Metal-Catalyst-Free C-C Bond Formation for Efficient Catalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2018, 1, 6442-6450.	2.5	27
29	Millimeter-sized flat crystalline sheet architectures of fullerene assemblies with anisotropic photoconductivity. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 4830.	1.3	22
30	Paradigms shift when solvent-less fluids come into play. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 3950-3953.	1.3	22
31	A squaraine-linked metalloporphyrin two-dimensional polymer photocatalyst for hydrogen and oxygen evolution reactions. <i>Chemical Communications</i> , 2019, 55, 1627-1630.	2.2	22
32	Charge transfer liquid: a stable donor-acceptor interaction in the solvent-free liquid state. <i>Chemical Communications</i> , 2019, 55, 9371-9374.	2.2	20
33	One-Dimensional Porphyrin-Fullerene ( $C_{60}$ ) Assemblies: Role of Central Metal Ion in Enhancing Ambipolar Mobility. <i>Chemistry - A European Journal</i> , 2018, 24, 7695-7701.	1.7	18
34	Dual mode selective detection and differentiation of TNT from other nitroaromatic compounds. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10767-10771.	5.2	15
35	Seeded on-surface supramolecular growth for large area conductive donor-acceptor assembly. <i>Chemical Communications</i> , 2015, 51, 10439-10442.	2.2	14
36	Self-assembled vesicles of urea-tethered foldamers as hydrophobic drug carriers. <i>Chemical Communications</i> , 2016, 52, 10771-10774.	2.2	14

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37	Mixed-Stack Charge Transfer Crystals of Pillar[5]quinone and Tetrathiafulvalene Exhibiting Ferroelectric Features. <i>Chemistry - A European Journal</i> , 2017, 23, 12630-12635.	1.7	14
38	Paintable Room Temperature Phosphorescent Liquid Formulations of Alkylated Bromonaphthalimide. <i>Angewandte Chemie</i> , 2018, 131, 2306.	1.6	14
39	Tuning phosphorescence features of triphenylamines by varying functional groups and intermolecular interactions. <i>Dyes and Pigments</i> , 2020, 173, 107931.	2.0	13
40	Noncovalent Macromolecular Architectures of Oligo( <i>p</i> -phenylenevinylene)s (OPVs): Role of End Functional Groups on the Gelation of Organic Solvents. <i>Macromolecular Symposia</i> , 2008, 273, 25-32.	0.4	11
41	Cascade energy transfer and tunable emission from nanosheet hybrids: locating acceptor molecules through chiral doping. <i>Chemical Communications</i> , 2017, 53, 7072-7075.	2.2	10
42	A Durable Metalloporphyrin 2D-Polymer for Photocatalytic Hydrogen and Oxygen Evolution from River and Sea Waters. <i>ChemCatChem</i> , 2021, 13, 1717-1721.	1.8	9
43	Donor-acceptor based solvent-free organic liquid hybrids with exciplex emission and room temperature phosphorescence. <i>Chemical Communications</i> , 2022, 58, 1998-2001.	2.2	8
44	Hexaaminobenzene Derived Two-Dimensional Polymer Supercapacitor with High Specific Capacitance and Energy Density. <i>ACS Applied Energy Materials</i> , 2020, 3, 6352-6359.	2.5	7
45	Aggregation-induced phosphorescence of an anthraquinone based emitter. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1004-1008.	1.5	7
46	An excimer to exciplex transition through realization of donor-acceptor interactions in luminescent solvent-free liquids. <i>Nanoscale</i> , 2021, 13, 10780-10784.	2.8	7
47	Highly Efficient and Reusable Polymer Supported Palladium Catalyst for Copper Free Sonogashira Reaction in Water. <i>ChemistrySelect</i> , 2022, 7, .	0.7	7
48	Boron-Conjugated Pyrenes as Fluorescence-Based Molecular Probes and Security Markers. <i>ChemPlusChem</i> , 2019, 84, 1253-1256.	1.3	6
49	Conducting nanofibres of solvatochromic cyclohexanetrione-dithiolylidene-based C3 symmetric molecule. <i>Chemical Communications</i> , 2018, 54, 212-215.	2.2	3
50	Frontispiece: Self-Organization of Polar Porphyrinoids. <i>ChemPlusChem</i> , 2014, 79, .	1.3	0