

# Sivaramapanicker Sreejith

## List of Publications by Year in descending order

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68  
papers

4,552  
citations

182225

30  
h-index

111975

67  
g-index

75  
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75  
docs citations

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times ranked

8426  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Plasmonic Supramolecular Nanohybrid as a Contrast Agent for Site-Selective Computed Tomography Imaging of Tumor. <i>Advanced Functional Materials</i> , 2022, 32, 2110575.	7.8	6
2	Ultrasensitive Detection of Heavy Metal Ions with Scalable Singular Phase Thin Film Optical Coatings. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	3
3	Modulation of Single Atomic Co and Fe Sites on Hollow Carbon Nanospheres as Oxygen Electrodes for Rechargeable Zn-Air Batteries. <i>Small Methods</i> , 2021, 5, e2000751.	4.6	178
4	Altered Cerebrospinal Fluid Exosomal microRNA Levels in Young-Onset Alzheimer's Disease and Frontotemporal Dementia. <i>Journal of Alzheimer's Disease Reports</i> , 2021, 5, 805-813.	1.2	18
5	Surface-Modified Hollow Ternary NiCo <sub>2</sub> P Catalysts for Efficient Electrochemical Water Splitting and Energy Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 39798-39808.	4.0	21
6	Electrochemically Induced Amorphization and Unique Lithium and Sodium Storage Pathways in FeSbO <sub>4</sub> Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 20082-20090.	4.0	14
7	Microstructurally engineered nanocrystalline Fe-Sn-Sb anodes: towards stable high energy density sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14145-14152.	5.2	21
8	Phase-Change-Material-Based Low-Loss Visible-Frequency Hyperbolic Metamaterials for Ultrasensitive Label-Free Biosensing. <i>Advanced Optical Materials</i> , 2019, 7, 1900081.	3.6	74
9	Nanomechanical Microfluidic Mixing and Rapid Labeling of Silica Nanoparticles using Allenamide-Thiol Covalent Linkage for Bioimaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 4867-4875.	4.0	4
10	Microfluidics Integrated Lithography-Free Nanophotonic Biosensor for the Detection of Small Molecules. <i>Advanced Optical Materials</i> , 2019, 7, 1801313.	3.6	20
11	Biosensing with the singular phase of an ultrathin metal-dielectric nanophotonic cavity. <i>Nature Communications</i> , 2018, 9, 369.	5.8	103
12	Beyond intercalation based sodium-ion batteries: the role of alloying anodes, efficient sodiation mechanisms and recent progress. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2567-2582.	2.5	27
13	Large-Area Silver-Stibnite Nanoporous Plasmonic Films for Label-Free Biosensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 34991-34999.	4.0	24
14	A topologically substituted boron nitride hybrid aerogel for highly selective CO <sub>2</sub> uptake. <i>Nano Research</i> , 2018, 11, 6325-6335.	5.8	14
15	All-organic luminescent nanodots from corannulene and cyclodextrin nano-assembly: continuous-flow synthesis, non-linear optical properties, and bio-imaging applications. <i>Materials Chemistry Frontiers</i> , 2017, 1, 831-837.	3.2	15
16	Real time size-dependent particle segregation and quantitative detection in a surface acoustic wave-photoacoustic integrated microfluidic system. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 568-576.	4.0	17
17	Fabrication of High Energy Li-Ion Capacitors from Orange Peel Derived Porous Carbon. <i>ChemistrySelect</i> , 2017, 2, 5051-5058.	0.7	17
18	Melt-Spun Fe-Sb Intermetallic Alloy Anode for Performance Enhanced Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39399-39406.	4.0	48

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19	Polymeric Nanomaterials Based on the Buckybowl Motif: Synthesis through Ring-Opening Metathesis Polymerization and Energy Storage Applications. ACS Macro Letters, 2017, 6, 1212-1216.	2.3	32
20	Light intensity field enhancement (LIFE) induced localized edge abrasion of silica-coated silver nanoprisms. Nanoscale, 2017, 9, 15356-15361.	2.8	4
21	Hexagonal Boron Nitride Nanosheets as High-Performance Binder-Free Fire-Resistant Wood Coatings. Small, 2017, 13, 1602456.	5.2	50
22	A Three-Photon Active Organic Fluorophore for Deep Tissue Ratiometric Imaging of Intracellular Divalent Zinc. Chemistry - an Asian Journal, 2016, 11, 1523-1527.	1.7	11
23	Graphene-Based Materials in Biosensing, Bioimaging, and Therapeutics. Carbon Nanostructures, 2016, , 35-61.	0.1	4
24	Photoacoustic induced surface acoustic wave sensor for concurrent opto-mechanical microfluidic sensing of dyes and plasmonic nanoparticles. RSC Advances, 2016, 6, 50238-50244.	1.7	17
25	Real time monitoring of aminothiols level in blood using a near-infrared dye assisted deep tissue fluorescence and photoacoustic bimodal imaging. Chemical Science, 2016, 7, 4110-4116.	3.7	63
26	Optically Induced Structural Instability in Gold-Silica Nanostructures: A Case Study. Journal of Physical Chemistry C, 2016, 120, 11230-11236.	1.5	6
27	Photon Driven Transformation of Cesium Lead Halide Perovskites from Few-Monolayer Nanoplatelets to Bulk Phase. Advanced Materials, 2016, 28, 10637-10643.	11.1	130
28	Metallic and Upconversion Nanoparticles as Photoacoustic Contrast Agents for Biomedical Imaging. , 2016, , 1199-1222.		0
29	Aerobic Copper Catalysis for Tandem Oxidative $\alpha$ -alkenylation of [1,2,3]Triazolo[1,5-a]pyridines. Advanced Synthesis and Catalysis, 2016, 358, 3034-3038.	2.1	4
30	Photopolymerization of Diacetylene on Aligned Multiwall Carbon Nanotube Microfibers for High-Performance Energy Devices. ACS Applied Materials & Interfaces, 2016, 8, 32643-32648.	4.0	25
31	Host-guest interaction between corannulene and $\beta$ -cyclodextrin: mass spectrometric evidence of a 1:1 inclusion complex formation. RSC Advances, 2016, 6, 110001-110003.	1.7	13
32	Biocompatible Two-Photon Absorbing Dipyridyldiketopyrrolopyrroles for Metal-Ion-Mediated Self-Assembly Modulation and Fluorescence Imaging. Advanced Optical Materials, 2016, 4, 746-755.	3.6	26
33	Photosensitizer anchored gold nanorods for targeted combinational photothermal and photodynamic therapy. Chemical Communications, 2016, 52, 8854-8857.	2.2	64
34	Quantum dot decorated aligned carbon nanotube bundles for a performance enhanced photoswitch. Nanoscale, 2016, 8, 8547-8552.	2.8	10
35	The fabrication of LiMn <sub>2</sub> O <sub>4</sub> and Na <sub>1.16</sub> V <sub>3</sub> O <sub>8</sub> based full cell aqueous rechargeable battery to power portable wearable electronics devices. Materials and Design, 2016, 93, 291-296.	3.3	10
36	Recent advances in multifunctional silica-based hybrid nanocarriers for bioimaging and cancer therapy. Nanoscale, 2016, 8, 12510-12519.	2.8	75

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37	Near-Infrared Squaraine Dye Encapsulated Micelles for <i>in Vivo</i> Fluorescence and Photoacoustic Bimodal Imaging. ACS Nano, 2015, 9, 5695-5704.	7.3	145
38	Three-Photon-Excited Luminescence from Unsymmetrical Cyanostilbene Aggregates: Morphology Tuning and Targeted Bioimaging. ACS Nano, 2015, 9, 4796-4805.	7.3	51
39	Graphene Oxide Wrapping of Gold-Silica Core-Shell Nanohybrids for Photoacoustic Signal Generation and Bimodal Imaging. ChemNanoMat, 2015, 1, 39-45.	1.5	20
40	Near-IR squaraine dye-loaded gated periodic mesoporous organosilica for photo-oxidation of phenol in a continuous-flow device. Science Advances, 2015, 1, e1500390.	4.7	24
41	Superior optical nonlinearity of an exceptional fluorescent stilbene dye. Applied Physics Letters, 2015, 106, .	1.5	15
42	Vanadium-based polyoxometalate as new material for sodium-ion battery anodes. Journal of Power Sources, 2015, 288, 270-277.	4.0	87
43	Organic-inorganic nanohybrids for fluorescence, photoacoustic and Raman bioimaging. Science Bulletin, 2015, 60, 665-678.	4.3	33
44	Metallic and Upconversion Nanoparticles as Photoacoustic Contrast Agents for Biomedical Imaging. , 2015, , 1-24.		0
45	Imaging: Upconversion Nanoparticles as a Contrast Agent for Photoacoustic Imaging in Live Mice (Adv. Tj ETQq1 1,0,784314 rgBT /C 11.1)		
46	Morphology-Tuned Exceptional Catalytic Activity of Porous Polymer-Supported Mn <sub>3</sub> O <sub>4</sub> in Aerobic sp <sup>3</sup> C-H Bond Oxidation of Aromatic Hydrocarbons and Alcohols. ChemCatChem, 2014, 6, 3518-3529.	1.8	32
47	One-Pot Synthesis of Antitumor Agent PMX 610 by a Copper(II)-Incorporated Mesoporous Catalyst. ACS Sustainable Chemistry and Engineering, 2014, 2, 934-941.	3.2	29
48	Synthesis of Ag <sub>2</sub> S quantum dots by a single-source precursor: an efficient electrode material for rapid detection of phenol. Analytical Methods, 2014, 6, 2059.	1.3	18
49	Poly(Acrylic Acid)-Capped and Dye-Loaded Graphene Oxide-Mesoporous Silica: A Nano-Sandwich for Two-Photon and Photoacoustic Dual-Mode Imaging. Particle and Particle Systems Characterization, 2014, 31, 1060-1066.	1.2	24
50	A ratiometric fluorescent molecular probe with enhanced two-photon response upon Zn <sup>2+</sup> binding for <i>in vitro</i> and <i>in vivo</i> bioimaging. Chemical Science, 2014, 5, 3469-3474.	3.7	68
51	Immobilizing Gold Nanoparticles in Mesoporous Silica Covered Reduced Graphene Oxide: A Hybrid Material for Cancer Cell Detection through Hydrogen Peroxide Sensing. ACS Applied Materials & Interfaces, 2014, 6, 13648-13656.	4.0	253
52	Upconversion Nanoparticles as a Contrast Agent for Photoacoustic Imaging in Live Mice. Advanced Materials, 2014, 26, 5633-5638.	11.1	158
53	Self-Assembled Near-Infrared Dye Nanoparticles as a Selective Protein Sensor by Activation of a Dormant Fluorophore. Journal of the American Chemical Society, 2014, 136, 13233-13239.	6.6	162
54	Crystalline Li <sub>3</sub> V <sub>6</sub> O <sub>16</sub> rods as high-capacity anode materials for aqueous rechargeable lithium batteries (ARLB). RSC Advances, 2014, 4, 28601-28605.	1.7	12

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55	Chain Folding Controlled by an Isomeric Repeat Unit: Helix Formation versus Random Aggregation in Acetylene-Bridged Carbazole-Bipyridine Co-Oligomers. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1579-1586.	1.7	8
56	Spacer Intercalated Disassembly and Photodynamic Activity of Zinc Phthalocyanine Inside Nanochannels of Mesoporous Silica Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 12860-12868.	4.0	55
57	Heteroaromatic donors in donor-acceptor based fluorophores facilitate zinc ion sensing and cell imaging. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1715-1723.	1.6	21
58	Graphene Oxide Wrapping on Squaraine-Loaded Mesoporous Silica Nanoparticles for Bioimaging. <i>Journal of the American Chemical Society</i> , 2012, 134, 17346-17349.	6.6	188
59	Functional Mesoporous Silica Nanoparticles for Photothermal-Controlled Drug Delivery In Vivo. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8373-8377.	7.2	290
60	Multiple Analyte Response and Molecular Logic Operations by Excited-State Charge Transfer Modulation in a Bipyridine Integrated Fluorophore. <i>Chemistry - an Asian Journal</i> , 2011, 6, 430-437.	1.7	26
61	A Zn <sup>2+</sup> -specific fluorescent molecular probe for the selective detection of endogenous cyanide in biorelevant samples. <i>Chemical Communications</i> , 2010, 46, 6069.	2.2	126
62	Conformational control in a bipyridine linked $\pi$ -conjugated oligomer: cation mediated helix unfolding and refolding. <i>Chemical Communications</i> , 2010, 46, 8392.	2.2	11
63	A Near-Infrared Squaraine Dye as a Latent Ratiometric Fluorophore for the Detection of Amino Thiol Content in Blood Plasma. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7883-7887.	7.2	253
64	Squaraine dyes: a mine of molecular materials. <i>Journal of Materials Chemistry</i> , 2008, 18, 264-274.	6.7	360
65	Detection of zinc ions under aqueous conditions using chirality assisted solid-state fluorescence of a bipyridyl based fluorophore. <i>Chemical Communications</i> , 2008, , 2903.	2.2	89
66	Ratiometric and Near-Infrared Molecular Probes for the Detection and Imaging of Zinc Ions. <i>Chemistry - an Asian Journal</i> , 2007, 2, 338-348.	1.7	208
67	A Ratiometric Fluorescence Probe for Selective Visual Sensing of Zn <sup>2+</sup> . <i>Journal of the American Chemical Society</i> , 2005, 127, 14962-14963.	6.6	319
68	Route of Irreversible Transformation in Layered Tin Thiophosphite and Enhanced Lithium Storage Performance. <i>ACS Applied Energy Materials</i> , 0, , .	2.5	8