Sivaramapanicker Sreejith

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A Plasmonic Supramolecular Nanohybrid as a Contrast Agent for Siteâ€Selective Computed Tomography Imaging of Tumor. Advanced Functional Materials, 2022, 32, 2110575.	14.9	6
2	Ultrasensitive Detection of Heavy Metal Ions with Scalable Singular Phase Thin Film Optical Coatings. Advanced Optical Materials, 2022, 10, .	7.3	3
3	Modulation of Single Atomic Co and Fe Sites on Hollow Carbon Nanospheres as Oxygen Electrodes for Rechargeable Zn–Air Batteries. Small Methods, 2021, 5, e2000751.	8.6	178
4	Altered Cerebrospinal Fluid Exosomal microRNA Levels in Young-Onset Alzheimer's Disease and Frontotemporal Dementia. Journal of Alzheimer's Disease Reports, 2021, 5, 805-813.	2.2	18
5	Surface-Modified Hollow Ternary NiCo ₂ P _{<i>x</i>} Catalysts for Efficient Electrochemical Water Splitting and Energy Storage. ACS Applied Materials & Interfaces, 2019, 11, 39798-39808.	8.0	21
6	Electrochemically Induced Amorphization and Unique Lithium and Sodium Storage Pathways in FeSbO4 Nanocrystals. ACS Applied Materials & Interfaces, 2019, 11, 20082-20090.	8.0	14
7	Microstructurally engineered nanocrystalline Fe–Sn–Sb anodes: towards stable high energy density sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 14145-14152.	10.3	21
8	Phaseâ€Changeâ€Materialâ€Based Low‣oss Visibleâ€Frequency Hyperbolic Metamaterials for Ultrasensitive Labelâ€Free Biosensing. Advanced Optical Materials, 2019, 7, 1900081.	7.3	74
9	Nanomechanical Microfluidic Mixing and Rapid Labeling of Silica Nanoparticles using Allenamide-Thiol Covalent Linkage for Bioimaging. ACS Applied Materials & Interfaces, 2019, 11, 4867-4875.	8.0	4
10	Microfluidics Integrated Lithographyâ€Free Nanophotonic Biosensor for the Detection of Small Molecules. Advanced Optical Materials, 2019, 7, 1801313.	7.3	20
11	Biosensing with the singular phase of an ultrathin metal-dielectric nanophotonic cavity. Nature Communications, 2018, 9, 369.	12.8	103
12	Beyond intercalation based sodium-ion batteries: the role of alloying anodes, efficient sodiation mechanisms and recent progress. Sustainable Energy and Fuels, 2018, 2, 2567-2582.	4.9	27
13	Large-Area Silver–Stibnite Nanoporous Plasmonic Films for Label-Free Biosensing. ACS Applied Materials & Interfaces, 2018, 10, 34991-34999.	8.0	24
14	A topologically substituted boron nitride hybrid aerogel for highly selective CO2 uptake. Nano Research, 2018, 11, 6325-6335.	10.4	14
15	All-organic luminescent nanodots from corannulene and cyclodextrin nano-assembly: continuous-flow synthesis, non-linear optical properties, and bio-imaging applications. Materials Chemistry Frontiers, 2017, 1, 831-837.	5.9	15
16	Real time size-dependent particle segregation and quantitative detection in a surface acoustic wave-photoacoustic integrated microfluidic system. Sensors and Actuators B: Chemical, 2017, 252, 568-576.	7.8	17
17	Fabrication of High Energy Li–Ion Capacitors from Orange Peel Derived Porous Carbon. ChemistrySelect, 2017, 2, 5051-5058.	1.5	17
18	Melt-Spun Fe–Sb Intermetallic Alloy Anode for Performance Enhanced Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 39399-39406.	8.0	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.	4.8	32
20	Light intensity field enhancement (LIFE) induced localized edge abrasion of silica-coated silver nanoprisms. Nanoscale, 2017, 9, 15356-15361.	5.6	4
21	Hexagonal Boron Nitride Nanosheets as Highâ€Performance Binderâ€Free Fireâ€Resistant Wood Coatings. Small, 2017, 13, 1602456.	10.0	50
22	A Threeâ€Photon Active Organic Fluorophore for Deep Tissue Ratiometric Imaging of Intracellular Divalent Zinc. Chemistry - an Asian Journal, 2016, 11, 1523-1527.	3.3	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.	3.6	17
25	Real time monitoring of aminothiol level in blood using a near-infrared dye assisted deep tissue fluorescence and photoacoustic bimodal imaging. Chemical Science, 2016, 7, 4110-4116.	7.4	63
26	Optically Induced Structural Instability in Gold–Silica Nanostructures: A Case Study. Journal of Physical Chemistry C, 2016, 120, 11230-11236.	3.1	6
27	Photon Driven Transformation of Cesium Lead Halide Perovskites from Fewâ€Monolayer Nanoplatelets to Bulk Phase. Advanced Materials, 2016, 28, 10637-10643.	21.0	130
28	Metallic and Upconversion Nanoparticles as Photoacoustic Contrast Agents for Biomedical Imaging. , 2016, , 1199-1222.		0
29	Aerobic Copper Catalysis for Tandem Oxyâ€ <i>N</i> â€alkenylation of [1,2,3]Triazolo[1,5â€ <i>a</i>]pyridines. Advanced Synthesis and Catalysis, 2016, 358, 3034-3038.	4.3	4
30	Photopolymerization of Diacetylene on Aligned Multiwall Carbon Nanotube Microfibers for High-Performance Energy Devices. ACS Applied Materials & Interfaces, 2016, 8, 32643-32648.	8.0	25
31	Host–guest interaction between corannulene and γ-cyclodextrin: mass spectrometric evidence of a 1 :â€% inclusion complex formation. RSC Advances, 2016, 6, 110001-110003.	¹⁰] 3.6	13
32	Biocompatible Twoâ€Photon Absorbing Dipyridyldiketopyrrolopyrroles for Metalâ€Ionâ€Mediated Selfâ€Assembly Modulation and Fluorescence Imaging. Advanced Optical Materials, 2016, 4, 746-755.	7.3	26
33	Photosensitizer anchored gold nanorods for targeted combinational photothermal and photodynamic therapy. Chemical Communications, 2016, 52, 8854-8857.	4.1	64
34	Quantum dot decorated aligned carbon nanotube bundles for a performance enhanced photoswitch. Nanoscale, 2016, 8, 8547-8552.	5.6	10
35	The fabrication of LiMn2O4 and Na1.16V3O8 based full cell aqueous rechargeable battery to power portable wearable electronics devices. Materials and Design, 2016, 93, 291-296.	7.0	10
36	Recent advances in multifunctional silica-based hybrid nanocarriers for bioimaging and cancer therapy. Nanoscale, 2016, 8, 12510-12519.	5.6	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.	14.6	145
38	Three-Photon-Excited Luminescence from Unsymmetrical Cyanostilbene Aggregates: Morphology Tuning and Targeted Bioimaging. ACS Nano, 2015, 9, 4796-4805.	14.6	51
39	Graphene Oxide Wrapping of Gold–Silica Core–Shell Nanohybrids for Photoacoustic Signal Generation and Bimodal Imaging. ChemNanoMat, 2015, 1, 39-45.	2.8	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.	10.3	24
41	Superior optical nonlinearity of an exceptional fluorescent stilbene dye. Applied Physics Letters, 2015, 106, .	3.3	15
42	Vanadium-based polyoxometalate as new material for sodium-ion battery anodes. Journal of Power Sources, 2015, 288, 270-277.	7.8	87
43	Organic–inorganic nanohybrids for fluorescence, photoacoustic and Raman bioimaging. Science Bulletin, 2015, 60, 665-678.	9.0	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	1.0.7843 21:0	14 rgBT /O∨
46	Morphologyâ€Tuned Exceptional Catalytic Activity of Porousâ€Polymerâ€Supported Mn ₃ O ₄ in Aerobic sp ³ CH Bond Oxidation of Aromatic Hydrocarbons and Alcohols. ChemCatChem, 2014, 6, 3518-3529.	3.7	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.	6.7	29
48	Synthesis of Ag2S quantum dots by a single-source precursor: an efficient electrode material for rapid detection of phenol. Analytical Methods, 2014, 6, 2059.	2.7	18
49	Poly(Acrylic Acid)â€Capped and Dye‣oaded Graphene Oxideâ€Mesoporous Silica: A Nanoâ€Sandwich for Twoâ€Photon and Photoacoustic Dualâ€Mode Imaging. Particle and Particle Systems Characterization, 2014, 31, 1060-1066.	2.3	24
50	A ratiometric fluorescent molecular probe with enhanced two-photon response upon Zn ²⁺ binding for in vitro and in vivo bioimaging. Chemical Science, 2014, 5, 3469-3474.	7.4	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.	8.0	253
52	Upconversion Nanoparticles as a Contrast Agent for Photoacoustic Imaging in Live Mice. Advanced Materials, 2014, 26, 5633-5638.	21.0	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.	13.7	162
54	Crystalline Li3V6O16 rods as high-capacity anode materials for aqueous rechargeable lithium batteries (ARLB). RSC Advances, 2014, 4, 28601-28605.	3.6	12

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55	Chain Folding Controlled by an Isomeric Repeat Unit: Helix Formation versus Random Aggregation in Acetyleneâ€Bridged Carbazole–Bipyridine Coâ€Oligomers. Chemistry - an Asian Journal, 2013, 8, 1579-1586.	3.3	8
56	Spacer Intercalated Disassembly and Photodynamic Activity of Zinc Phthalocyanine Inside Nanochannels of Mesoporous Silica Nanoparticles. ACS Applied Materials & Interfaces, 2013, 5, 12860-12868.	8.0	55
57	Heteroaromatic donors in donor—acceptor—donor based fluorophores facilitate zinc ion sensing and cell imaging. Photochemical and Photobiological Sciences, 2012, 11, 1715-1723.	2.9	21
58	Graphene Oxide Wrapping on Squaraine-Loaded Mesoporous Silica Nanoparticles for Bioimaging. Journal of the American Chemical Society, 2012, 134, 17346-17349.	13.7	188
59	Functional Mesoporous Silica Nanoparticles for Photothermalâ€Controlled Drug Delivery Inâ€Vivo. Angewandte Chemie - International Edition, 2012, 51, 8373-8377.	13.8	290
60	Multiple Analyte Response and Molecular Logic Operations by Excitedâ€State Chargeâ€Transfer Modulation in a Bipyridine Integrated Fluorophore. Chemistry - an Asian Journal, 2011, 6, 430-437.	3.3	26
61	A Zn2+-specific fluorescent molecular probe for the selective detection of endogenous cyanide in biorelevant samples. Chemical Communications, 2010, 46, 6069.	4.1	126
62	Conformational control in a bipyridine linked ï€-conjugated oligomer: cation mediated helix unfolding and refolding. Chemical Communications, 2010, 46, 8392.	4.1	11
63	A Nearâ€Infrared Squaraine Dye as a Latent Ratiometric Fluorophore for the Detection of Aminothiol Content in Blood Plasma. Angewandte Chemie - International Edition, 2008, 47, 7883-7887.	13.8	253
64	Squaraine dyes: a mine of molecular materials. Journal of Materials Chemistry, 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. Chemical Communications, 2008, , 2903.	4.1	89
66	Ratiometric and Near-Infrared Molecular Probes for the Detection and Imaging of Zinc Ions. Chemistry - an Asian Journal, 2007, 2, 338-348.	3.3	208
67	A Ratiometric Fluorescence Probe for Selective Visual Sensing of Zn2+. Journal of the American Chemical Society, 2005, 127, 14962-14963.	13.7	319
68	Route of Irreversible Transformation in Layered Tin Thiophosphite and Enhanced Lithium Storage Performance. ACS Applied Energy Materials, 0, , .	5.1	8