

Saju Pillai

List of Publications by Year in descending order

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51
papers

1,135
citations

361413

20
h-index

414414

32
g-index

52
all docs

52
docs citations

52
times ranked

1742
citing authors

#	ARTICLE	IF	CITATIONS
1	Using a Hydrazone-Protected Benzenediazonium Salt to Introduce a Near-Monolayer of Benzaldehyde on Glassy Carbon Surfaces. <i>Journal of the American Chemical Society</i> , 2009, 131, 4928-4936.	13.7	83
2	Rapid, Acid-Free Synthesis of High-Quality Graphene Quantum Dots for Aggregation Induced Sensing of Metal Ions and Bioimaging. <i>ACS Omega</i> , 2017, 2, 8051-8061.	3.5	75
3	Polyol derived Ni and NiFe alloys for effective shielding of electromagnetic interference. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1829-1841.	5.9	63
4	Biofilm retention on surfaces with variable roughness and hydrophobicity. <i>Biofouling</i> , 2011, 27, 111-121.	2.2	52
5	Highly Ordered Mixed Protein Patterns Over Large Areas from Self-Assembly of Binary Colloids. <i>Advanced Materials</i> , 2011, 23, 1519-1523.	21.0	52
6	Fluorescent turn-off sensor based on sulphur-doped graphene quantum dots in colloidal and film forms for the ultrasensitive detection of carbamate pesticides. <i>Microchemical Journal</i> , 2020, 157, 104971.	4.5	52
7	Layer-by-Layer Growth of Multicomponent Colloidal Crystals Over Large Areas. <i>Advanced Functional Materials</i> , 2011, 21, 2556-2563.	14.9	45
8	Nanoparticles of amorphous calcium carbonate by miniemulsion: synthesis and mechanism. <i>CrystEngComm</i> , 2008, 10, 865.	2.6	43
9	Ag loaded B-doped-g C3N4 nanosheet with efficient properties for photocatalysis. <i>Journal of Environmental Management</i> , 2019, 247, 57-66.	7.8	43
10	Large-Area Protein Patterns Generated by Ordered Binary Colloidal Assemblies as Templates. <i>ACS Nano</i> , 2011, 5, 3542-3551.	14.6	39
11	Ordering of Binary Polymeric Nanoparticles on Hydrophobic Surfaces Assembled from Low Volume Fraction Dispersions. <i>Journal of the American Chemical Society</i> , 2007, 129, 13390-13391.	13.7	36
12	Divalent Cation-Induced Variations in Polyelectrolyte Conformation and Controlling Calcite Morphologies: Direct Observation of the Phase Transition by Atomic Force Microscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 13074-13078.	13.7	36
13	TEMPO-Oxidized Nanocellulose Fiber-Directed Stable Aqueous Suspension of Plasmonic Flower-like Silver Nanoconstructs for Ultra-Trace Detection of Analytes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29242-29251.	8.0	35
14	Sulphur-doped graphene quantum dot based fluorescent turn-on aptasensor for selective and ultrasensitive detection of omethoate. <i>Analytica Chimica Acta</i> , 2021, 1181, 338893.	5.4	34
15	Water-Soluble Terpolymer Directs the Hollow Triangular Cones of Packed Calcite Needles. <i>Crystal Growth and Design</i> , 2007, 7, 215-217.	3.0	30
16	Multicomponent colloidal crystals that are tunable over large areas. <i>Soft Matter</i> , 2011, 7, 3290.	2.7	27
17	Emerging ternary nanocomposite of rGO draped palladium oxide/polypyrrole for high performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 855, 157481.	5.5	27
18	Screen printed silver patterns on La 0.5 Sr 0.5 CoO 3 - Epoxy composite as a strategy for many-fold increase in EMI shielding. <i>Surface and Coatings Technology</i> , 2017, 330, 34-41.	4.8	22

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19	Hierarchical ordering of amyloid fibrils on the mica surface. <i>Nanoscale</i> , 2013, 5, 4816.	5.6	21
20	Cyanopyridine based conjugated polymer-synthesis and characterization. <i>Polymer</i> , 2015, 78, 22-30.	3.8	21
21	Clean Water from Air Utilizing Black TiO ₂ -Based Photothermal Nanocomposite Sheets. <i>ACS Applied Nano Materials</i> , 2020, 3, 6827-6835.	5.0	21
22	Hydrophilic 3D Interconnected Network of Bacterial Nanocellulose/Black Titania Photothermal Foams as an Efficient Interfacial Solar Evaporator. <i>ACS Applied Bio Materials</i> , 2021, 4, 4373-4383.	4.6	21
23	Biotemplated fabrication of size controlled palladium nanoparticle chains. <i>Journal of Materials Chemistry</i> , 2012, 22, 8862.	6.7	18
24	Novel multifunctional titania-silica-lanthanum phosphate nanocomposite coatings through an all aqueous sol-gel process. <i>Dalton Transactions</i> , 2013, 42, 4602.	3.3	16
25	Cucurbit[7]uril encapsulated dye-sensitized enhanced solar photocatalysis using positively charged sheet-like anatase TiO ₂ mesocrystals. <i>Applied Surface Science</i> , 2019, 488, 911-920.	6.1	16
26	Mechanical characterization and fractography of glass fiber/polyamide (PA6) composites. <i>Polymer Composites</i> , 2015, 36, 834-853.	4.6	15
27	Surface modification induced enhanced CO ₂ sorption in cucurbit[6]uril, an organic porous material. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25564-25573.	2.8	15
28	Nanocellulose-silver ensembles for ultrasensitive SERS: An investigation on the role of nanocellulose fibers in the generation of high-density hotspots. <i>Applied Materials Today</i> , 2020, 20, 100672.	4.3	15
29	Polyaniline-cobalt oxide nano shrubs based electrodes for supercapacitors with enhanced electrochemical performance. <i>Electrochimica Acta</i> , 2019, 324, 134876.	5.2	14
30	Nickel electrodeposited textiles as wearable radar invisible fabrics. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 88, 196-206.	5.8	14
31	Controlled growth and formation of SAMs investigated by atomic force microscopy. <i>Ultramicroscopy</i> , 2009, 109, 161-166.	1.9	12
32	Preventing Protein Adsorption from a Range of Surfaces Using an Aqueous Fish Protein Extract. <i>Biomacromolecules</i> , 2009, 10, 2759-2766.	5.4	12
33	Thermophysical and Microwave Shielding Properties of La _{0.5} Sr _{0.5} CoO ₃ and its Composite with Epoxy. <i>Journal of Electronic Materials</i> , 2017, 46, 5158-5167.	2.2	11
34	Assembly of glucagon (proto)fibrils by longitudinal addition of oligomers. <i>Nanoscale</i> , 2011, 3, 3049.	5.6	10
35	Photoluminescent, self-cleaning titanium oxide nanocomposites with multifunctional properties. <i>RSC Advances</i> , 2014, 4, 61727-61735.	3.6	10
36	Temperature-induced formation of strong gels of acrylamide-based polyelectrolytes. <i>Journal of Colloid and Interface Science</i> , 2009, 337, 46-53.	9.4	9

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37	Core-shell based responsive colloidal photonic crystals for facile, rapid, visual detection of acetone. <i>Reactive and Functional Polymers</i> , 2021, 158, 104779.	4.1	9
38	Effect of Adhesion Between Submicron Filler Particles and a Polymeric Matrix on the Structure and Mechanical Properties of Epoxy-Resin-Based Compositions. <i>Mechanics of Composite Materials</i> , 2017, 53, 117-122.	1.4	8
39	Photonic band gap effect and dye-encapsulated cucurbituril-triggered enhanced fluorescence using monolithic colloidal photonic crystals. <i>New Journal of Chemistry</i> , 2019, 43, 16264-16272.	2.8	8
40	Low Temperature Synthesis of High Energy Facets Exposed Sheet-like Anatase TiO ₂ Mesocrystals Show Reduced e ⁻ /h ⁺ Pair Recombination Rates and Enhanced Photoactivity. <i>ChemistrySelect</i> , 2016, 1, 6221-6229.	1.5	7
41	Effect of Polymer Form and its Consolidation on Mechanical Properties and Quality of Glass/PBT Composites. <i>Applied Composite Materials</i> , 2014, 21, 301-324.	2.5	6
42	Active bayerite underpinned Ag ₂ O/Ag: an efficient antibacterial nanohybrid combating microbial contamination. <i>Metallomics</i> , 2021, 13, .	2.4	6
43	Synthesis of cyanopyridine based conjugated polymer. <i>Data in Brief</i> , 2016, 7, 1314-1320.	1.0	5
44	The opposite effects of Cu(ii) and Fe(iii) on the assembly of glucagon amyloid fibrils. <i>RSC Advances</i> , 2012, 2, 5418.	3.6	4
45	Microscopic analysis of polymer honeycomb thin film studied by PeakForce TUNA for organic solar cell application. <i>Journal of Renewable and Sustainable Energy</i> , 2016, 8, 023703.	2.0	4
46	Direct Visualization of Crystalline Domains in Carboxylated Nanocellulose Fibers. <i>ACS Omega</i> , 2020, 5, 12136-12143.	3.5	3
47	Tailored synthesis of ultra-stable Au@Pd nanoflowers with enhanced catalytic properties using cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2022, 292, 119723.	10.2	3
48	Effect of lateral morphology formation of polymer blend towards patterning silane-based SAMs using selective dissolution method. <i>Ultramicroscopy</i> , 2008, 108, 458-464.	1.9	2
49	Ultrasound Effects on Assembly of Glucagon Fibrils. <i>Integrated Ferroelectrics</i> , 2012, 136, 1-8.	0.7	2
50	Cellulose nanocrystals directed in-situ assembly of Au@Ag nanostructures with multifunctional activities. <i>Microchemical Journal</i> , 2021, 168, 106393.	4.5	2
51	SELECTIVE CONTROL OF CALCIUM CARBONATE CRYSTALS MORPHOLOGIES USING SULFONATED POLYMER AS ADDITIVE. <i>Journal of the Chilean Chemical Society</i> , 2014, 59, 2308-2310.	1.2	1