

Anitha Ethirajan

List of Publications by Year in descending order

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53
papers

4,760
citations

279487

23
h-index

182168

51
g-index

55
all docs

55
docs citations

55
times ranked

7983
citing authors

#	ARTICLE	IF	CITATIONS
1	Balancing fluorescence and singlet oxygen formation in push-pull type near-infrared BODIPY photosensitizers. <i>Journal of Materials Chemistry C</i> , 2022, 10, 9344-9355.	2.7	11
2	PEGylating poly(p-phenylene vinylene)-based bioimaging nanoprobe. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 566-575.	5.0	4
3	Formation of giant polymer vesicles by simple double emulsification using block copolymers as the sole surfactant. <i>Soft Matter</i> , 2021, 17, 4942-4948.	1.2	13
4	Redox-Responsive Nanocapsules for the Spatiotemporal Release of Miltefosine in Lysosome: Protection against <i>Leishmania</i> . <i>Bioconjugate Chemistry</i> , 2021, 32, 245-253.	1.8	10
5	Extrusion and Injection Molding of Poly(3-Hydroxybutyrate-co-3-Hydroxyhexanoate) (PHBHHx): Influence of Processing Conditions on Mechanical Properties and Microstructure. <i>Polymers</i> , 2021, 13, 4012.	2.0	11
6	Near-Infrared BODIPY-Acridine Dyads Acting as Heavy-Atom-Free Dual-Functioning Photosensitizers. <i>Chemistry - A European Journal</i> , 2020, 26, 15212-15225.	1.7	14
7	Nanocapsules with stimuli-responsive moieties for controlled release employing light and enzymatic triggers. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2103-2112.	3.2	20
8	Fluorescent PCDTBT Nanoparticles with Tunable Size for Versatile Bioimaging. <i>Materials</i> , 2019, 12, 2497.	1.3	6
9	Stimuli-Responsive Nanocapsules for the Spatiotemporal Release of Melatonin: Protection against Gastric Inflammation. <i>ACS Applied Bio Materials</i> , 2019, 2, 5218-5226.	2.3	18
10	Effect of Branching on the Optical Properties of Poly(p-phenylene ethynylene) Conjugated Polymer Nanoparticles for Bioimaging. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 1967-1977.	2.6	17
11	Dynamics of the phospholipid shell of microbubbles: a fluorescence photoselection and spectral phasor approach. <i>Chemical Communications</i> , 2018, 54, 4854-4857.	2.2	13
12	Investigating the effect of poly-l-lactic acid nanoparticles carrying hypericin on the flow-biased diffusive motion of HeLa cell organelles. <i>Journal of Pharmacy and Pharmacology</i> , 2018, 71, 104-116.	1.2	14
13	Morphology-dependent pH-responsive release of hydrophilic payloads using biodegradable nanocarriers. <i>RSC Advances</i> , 2018, 8, 36869-36878.	1.7	16
14	Size-dependent properties of functional PPV-based conjugated polymer nanoparticles for bioimaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 169, 494-501.	2.5	14
15	How Low Can You Go? Low Densities of Poly(ethylene glycol) Surfactants Attract Stealth Proteins. <i>Macromolecular Bioscience</i> , 2018, 18, e1800075.	2.1	8
16	Micro-patterned molecularly imprinted polymer structures on functionalized diamond-coated substrates for testosterone detection. <i>Biosensors and Bioelectronics</i> , 2018, 118, 58-65.	5.3	32
17	Physicochemical characterizations of functional hybrid liposomal nanocarriers formed using photo-sensitive lipids. <i>Scientific Reports</i> , 2017, 7, 46257.	1.6	15
18	Tuning the optical properties of poly(p-phenylene ethynylene) nanoparticles as bio-imaging probes by side chain functionalization. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 527-537.	5.0	17

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19	Eco-friendly fabrication of PBDTPD:PC71BM solar cells reaching a PCE of 3.8% using water-based nanoparticle dispersions. <i>Organic Electronics</i> , 2017, 42, 42-46.	1.4	47
20	Tuning of PCDTBT:PC71BM blend nanoparticles for eco-friendly processing of polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017, 159, 179-188.	3.0	35
21	Conjugated Polymer Nanoparticles for Bioimaging. <i>Materials</i> , 2017, 10, 1420.	1.3	71
22	Investigating the Intracellular Dynamics of Hypericin-Loaded Nanoparticles and Polyvinylpyrrolidone-Hypericin by Image Correlation Spectroscopy. , 2016, , 275-286.		1
23	Layer formation and morphology of ultrasonic spray coated polystyrene nanoparticle layers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 1441-1446.	0.8	12
24	Ionic strength dependent vesicle adsorption and phase behavior of anionic phospholipids on a gold substrate. <i>Biointerphases</i> , 2016, 11, 019006.	0.6	24
25	Assessing the toxicity of Pb- and Sn-based perovskite solar cells in model organism <i>Danio rerio</i> . <i>Scientific Reports</i> , 2016, 6, 18721.	1.6	396
26	PPV-Based Conjugated Polymer Nanoparticles as a Versatile Bioimaging Probe: A Closer Look at the Inherent Optical Properties and Nanoparticle-Cell Interactions. <i>Biomacromolecules</i> , 2016, 17, 2562-2571.	2.6	47
27	Improved Molecular Imprinting Based on Colloidal Particles Made from Miniemulsion: A Case Study on Testosterone and Its Structural Analogues. <i>Macromolecules</i> , 2016, 49, 2559-2567.	2.2	23
28	Toxicity of organometal halide perovskite solar cells. <i>Nature Materials</i> , 2016, 15, 247-251.	13.3	1,029
29	Eco-friendly spray coating of organic solar cells through water-based nanoparticles ink (Presentation Recording). , 2015, , .		0
30	Ligand switch in photoinduced copper-mediated polymerization: synthesis of methacrylate-acrylate block copolymers. <i>Polymer Chemistry</i> , 2015, 6, 6488-6497.	1.9	44
31	Intracellular localization and dynamics of Hypericin loaded PLLA nanocarriers by image correlation spectroscopy. <i>Journal of Controlled Release</i> , 2015, 218, 82-93.	4.8	19
32	Intrinsic Thermal Instability of Methylammonium Lead Trihalide Perovskite. <i>Advanced Energy Materials</i> , 2015, 5, 1500477.	10.2	1,788
33	Interfacial thiol-isocyanate reactions for functional nanocarriers: a facile route towards tunable morphologies and hydrophilic payload encapsulation. <i>Chemical Communications</i> , 2015, 51, 15858-15861.	2.2	39
34	Synthesis of PPV-b-PEG block copolymers via CuAAC conjugation. <i>European Polymer Journal</i> , 2014, 55, 114-122.	2.6	6
35	Synthesis of degradable poly(methyl methacrylate) star polymers via RAFT copolymerization with cyclic ketene acetals. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1633-1641.	2.5	23
36	Photoinduced Sequence-Controlled Copper-Mediated Polymerization: Synthesis of Decablock Copolymers. <i>ACS Macro Letters</i> , 2014, 3, 732-737.	2.3	102

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37	Molecularly imprinted polymers as synthetic receptors for the QCM-D-based detection of l-nicotine in diluted saliva and urine samples. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6479-6487.	1.9	33
38	Selective Identification of Macrophages and Cancer Cells Based on Thermal Transport through Surface-Imprinted Polymer Layers. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7258-7267.	4.0	69
39	Ultrafast Self-Assembly Using Ultrasound: A Facile Route to the Rapid Fabrication of Well-Ordered Dense Arrays of Inorganic Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9709-9713.	7.2	7
40	UV-induced functionalization of poly(divinylbenzene) nanoparticles via efficient [2 + 2]-photocycloadditions. <i>Polymer Chemistry</i> , 2013, 4, 4010-4016.	1.9	15
41	Synthesis of MDMO-PPV Nanoparticles Via In Situ Sulfinyl Precursor Route Polymerization in Miniemulsion. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1859-1864.	1.1	4
42	MIP-based biomimetic sensor for the electronic detection of serotonin in human blood plasma. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 602-610.	4.0	58
43	Detection of L-nicotine with dissipation mode quartz crystal microbalance using molecular imprinted polymers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 905-910.	0.8	9
44	Real-time study of protein adsorption on thin nanocrystalline diamond. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 2093-2098.	0.8	15
45	Biodegradable Polymeric Nanoparticles as Templates for Biomimetic Mineralization of Calcium Phosphate. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 915-925.	1.1	13
46	Biomimetic Route to Calcium Phosphate Coated Polymeric Nanoparticles: Influence of Different Functional Groups and pH. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 1165-1175.	1.1	25
47	Functional Hybrid Materials with Polymer Nanoparticles as Templates. <i>Chemistry - A European Journal</i> , 2010, 16, 9398-9412.	1.7	40
48	Nanostructured Coatings by Adhesion of Phosphonated Polystyrene Particles onto Titanium Surface for Implant Material Applications. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2421-2428.	4.0	40
49	Surface-Functionalized Polymeric Nanoparticles as Templates for Biomimetic Mineralization of Hydroxyapatite. <i>Chemistry of Materials</i> , 2009, 21, 2218-2225.	3.2	73
50	Biomimetic Hydroxyapatite Crystallization in Gelatin Nanoparticles Synthesized Using a Miniemulsion Process. <i>Advanced Functional Materials</i> , 2008, 18, 2221-2227.	7.8	76
51	Synthesis and Optimization of Gelatin Nanoparticles Using the Miniemulsion Process. <i>Biomacromolecules</i> , 2008, 9, 2383-2389.	2.6	93
52	A Micellar Approach to Magnetic Ultrahigh-Density Data-Storage Media: Extending the Limits of Current Colloidal Methods. <i>Advanced Materials</i> , 2007, 19, 406-410.	11.1	103
53	Alloy Formation of Supported Gold Nanoparticles at Their Transition from Clusters to Solids: Does Size Matter?. <i>Physical Review Letters</i> , 2005, 94, 016804.	2.9	128