Anitha Ethirajan

List of Publications by Year
in descending order

53	4,760	279487 23	182168 51
papers	citations	h-index	g-index

55	55	55	7983
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intrinsic Thermal Instability of Methylammonium Lead Trihalide Perovskite. Advanced Energy Materials, 2015, 5, 1500477.	10.2	1,788
2	Toxicity of organometal halide perovskite solar cells. Nature Materials, 2016, 15, 247-251.	13.3	1,029
3	Assessing the toxicity of Pb- and Sn-based perovskite solar cells in model organism Danio rerio. Scientific Reports, 2016, 6, 18721.	1.6	396
4	Alloy Formation of Supported Gold Nanoparticles at Their Transition from Clusters to Solids: Does Size Matter?. Physical Review Letters, 2005, 94, 016804.	2.9	128
5	A Micellar Approach to Magnetic Ultrahigh-Density Data-Storage Media: Extending the Limits of Current Colloidal Methods. Advanced Materials, 2007, 19, 406-410.	11.1	103
6	Photoinduced Sequence-Controlled Copper-Mediated Polymerization: Synthesis of Decablock Copolymers. ACS Macro Letters, 2014, 3, 732-737.	2.3	102
7	Synthesis and Optimization of Gelatin Nanoparticles Using the Miniemulsion Process. Biomacromolecules, 2008, 9, 2383-2389.	2.6	93
8	Biomimetic Hydroxyapatite Crystallization in Gelatin Nanoparticles Synthesized Using a Miniemulsion Process. Advanced Functional Materials, 2008, 18, 2221-2227.	7.8	76
9	Surface-Functionalized Polymeric Nanoparticles as Templates for Biomimetic Mineralization of Hydroxyapatite. Chemistry of Materials, 2009, 21, 2218-2225.	3.2	73
10	Conjugated Polymer Nanoparticles for Bioimaging. Materials, 2017, 10, 1420.	1.3	71
11	Selective Identification of Macrophages and Cancer Cells Based on Thermal Transport through Surface-Imprinted Polymer Layers. ACS Applied Materials & Interfaces, 2013, 5, 7258-7267.	4.0	69
12	MIP-based biomimetic sensor for the electronic detection of serotonin in human blood plasma. Sensors and Actuators B: Chemical, 2012, 171-172, 602-610.	4.0	58
13	PPV-Based Conjugated Polymer Nanoparticles as a Versatile Bioimaging Probe: A Closer Look at the Inherent Optical Properties and Nanoparticleâ€“Cell Interactions. Biomacromolecules, 2016, 17, 2562-2571.	2.6	47
14	Eco-friendly fabrication of PBDTTPD:PC71BM solar cells reaching a PCE of 3.8% using water-based nanoparticle dispersions. Organic Electronics, 2017, 42, 42-46.	1.4	47
15	Ligand switch in photoinduced copper-mediated polymerization: synthesis of methacrylateâ€“acrylate block copolymers. Polymer Chemistry, 2015, 6, 6488-6497.	1.9	44
16	Functional Hybrid Materials with Polymer Nanoparticles as Templates. Chemistry - A European Journal, 2010, 16, 9398-9412.	1.7	40
17	Nanostructured Coatings by Adhesion of Phosphonated Polystyrene Particles onto Titanium Surface for Implant Material Applications. ACS Applied Materials & Interfaces, 2010, 2, 2421-2428.	4.0	40
18	Interfacial thiolâ€“isocyanate reactions for functional nanocarriers: a facile route towards tunable morphologies and hydrophilic payload encapsulation. Chemical Communications, 2015, 51, 15858-15861.	2.2	39

#	Article	IF	Citations
19	Tuning of PCDTBT:PC71BM blend nanoparticles for eco-friendly processing of polymer solar cells. Solar Energy Materials and Solar Cells, 2017, 159, 179-188.	3.0	35
20	Molecularly imprinted polymers as synthetic receptors for the QCM-D-based detection of l-nicotine in diluted saliva and urine samples. Analytical and Bioanalytical Chemistry, 2013, 405, 6479-6487.	1.9	33
21	Micro-patterned molecularly imprinted polymer structures on functionalized diamond-coated substrates for testosterone detection. Biosensors and Bioelectronics, 2018, 118, 58-65.	5.3	32
22	Biomimetic Route to Calcium Phosphate Coated Polymeric Nanoparticles: Influence of Different Functional Groups and pH. Macromolecular Chemistry and Physics, 2011, 212, 1165-1175.	1.1	25
23	Ionic strength dependent vesicle adsorption and phase behavior of anionic phospholipids on a gold substrate. Biointerphases, 2016, 11, 019006.	0.6	24
24	Synthesis of degradable poly(methyl methacrylate) star polymers via RAFT copolymerization with cyclic ketene acetals. Journal of Polymer Science Part A, 2014, 52, 1633-1641.	2.5	23
25	Improved Molecular Imprinting Based on Colloidal Particles Made from Miniemulsion: A Case Study on Testosterone and Its Structural Analogues. Macromolecules, 2016, 49, 2559-2567.	2.2	23
26	Nanocapsules with stimuli-responsive moieties for controlled release employing light and enzymatic triggers. Materials Chemistry Frontiers, 2020, 4, 2103-2112.	3.2	20
27	Intracellular localization and dynamics of Hypericin loaded PLLA nanocarriers by image correlation spectroscopy. Journal of Controlled Release, 2015, 218, 82-93.	4.8	19
28	Stimuli-Responsive Nanocapsules for the Spatiotemporal Release of Melatonin: Protection against Gastric Inflammation. ACS Applied Bio Materials, 2019, 2, 5218-5226.	2.3	18
29	Tuning the optical properties of poly(p-phenylene ethynylene) nanoparticles as bio-imaging probes by side chain functionalization. Journal of Colloid and Interface Science, 2017, 504, 527-537.	5.0	17
30	Effect of Branching on the Optical Properties of Poly(p-phenylene ethynylene) Conjugated Polymer Nanoparticles for Bioimaging. ACS Biomaterials Science and Engineering, 2019, 5, 1967-1977.	2.6	17
31	Morphology-dependent pH-responsive release of hydrophilic payloads using biodegradable nanocarriers. RSC Advances, 2018, 8, 36869-36878.	1.7	16
32	Realâ€time study of protein adsorption on thin nanocrystalline diamond. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2093-2098.	0.8	15
33	UV-induced functionalization of poly(divinylbenzene) nanoparticlesvia efficient [2 + 2]-photocycloadditions. Polymer Chemistry, 2013, 4, 4010-4016.	1.9	15
34	Physicochemical characterizations of functional hybrid liposomal nanocarriers formed using photo-sensitive lipids. Scientific Reports, 2017, 7, 46257.	1.6	15
35	Investigating the effect of poly-l-lactic acid nanoparticles carrying hypericin on the flow-biased diffusive motion of HeLa cell organelles. Journal of Pharmacy and Pharmacology, 2018, 71, 104-116.	1.2	14
36	Size-dependent properties of functional PPV-based conjugated polymer nanoparticles for bioimaging. Colloids and Surfaces B: Biointerfaces, 2018, 169, 494-501.	2.5	14

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37	Nearâ€Infrared BODIPYâ€Acridine Dyads Acting as Heavyâ€Atomâ€Free Dualâ€Functioning Photosensitizers. Chemistry - A European Journal, 2020, 26, 15212-15225.	1.7	14
38	Biodegradable Polymeric Nanoparticles as Templates for Biomimetic Mineralization of Calcium Phosphate. Macromolecular Chemistry and Physics, 2011, 212, 915-925.	1.1	13
39	Dynamics of the phospholipid shell of microbubbles: a fluorescence photoselection and spectral phasor approach. Chemical Communications, 2018, 54, 4854-4857.	2.2	13
40	Formation of giant polymer vesicles by simple double emulsification using block copolymers as the sole surfactant. Soft Matter, 2021, 17, 4942-4948.	1.2	13
41	Layer formation and morphology of ultrasonic spray coated polystyrene nanoparticle layers. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 1441-1446.	0.8	12
42	Extrusion and Injection Molding of Poly(3-Hydroxybutyrate-co-3-Hydroxyhexanoate) (PHBHHx): Influence of Processing Conditions on Mechanical Properties and Microstructure. Polymers, 2021, 13, 4012.	2.0	11
43	Balancing fluorescence and singlet oxygen formation in pushâ€“pull type near-infrared BODIPY photosensitizers. Journal of Materials Chemistry C, 2022, 10, 9344-9355.	2.7	11
44	Redox-Responsive Nanocapsules for the Spatiotemporal Release of Miltefosine in Lysosome: Protection against Leishmania. Bioconjugate Chemistry, 2021, 32, 245-253.	1.8	10
45	Detection of <scp>L</scp>â€nicotine with dissipation mode quartz crystal microbalance using molecular imprinted polymers. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 905-910.	0.8	9
46	How Low Can You Go? Low Densities of Poly(ethylene glycol) Surfactants Attract Stealth Proteins. Macromolecular Bioscience, 2018, 18, e1800075.	2.1	8
47	Ultrafast Selfâ€Assembly Using Ultrasound: A Facile Route to the Rapid Fabrication of Wellâ€Ordered Dense Arrays of Inorganic Nanostructures. Angewandte Chemie - International Edition, 2013, 52, 9709-9713.	7.2	7
48	Synthesis of PPV-b-PEG block copolymers via CuAAC conjugation. European Polymer Journal, 2014, 55, 114-122.	2.6	6
49	Fluorescent PCDTBT Nanoparticles with Tunable Size for Versatile Bioimaging. Materials, 2019, 12, 2497.	1.3	6
50	Synthesis of MDMOâ€PPV Nanoparticles Via In Situ Sulfinyl Precursor Route Polymerization in Miniemulsion. Macromolecular Chemistry and Physics, 2013, 214, 1859-1864.	1.1	4
51	PEGylating poly(p-phenylene vinylene)-based bioimaging nanoprobes. Journal of Colloid and Interface Science, 2021, 581, 566-575.	5.0	4
52	Investigating the Intracellular Dynamics of Hypericin-Loaded Nanoparticles and Polyvinylpyrrolidone-Hypericin by Image Correlation Spectroscopy. , 2016, , 275-286.		1
53	Eco-friendly spray coating of organic solar cells through water-based nanoparticles ink (Presentation Recording). , 2015, , .		0