

Madhappan Santha Moorthy

List of Publications by Year in descending order

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49
papers

2,293
citations

126708

33
h-index

214527

47
g-index

50
all docs

50
docs citations

50
times ranked

3467
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan oligosaccharide coated mesoporous silica nanoparticles for pH-stimuli responsive drug delivery applications. <i>Journal of Porous Materials</i> , 2019, 26, 217-226.	1.3	25
2	A multifunctional near-infrared laser-triggered drug delivery system using folic acid conjugated chitosan oligosaccharide encapsulated gold nanorods for targeted chemo-photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3811-3825.	2.9	40
3	Comparative characterization of biogenic and chemical synthesized hydroxyapatite biomaterials for potential biomedical application. <i>Materials Chemistry and Physics</i> , 2019, 228, 344-356.	2.0	58
4	Chitosan/fucoidan multilayer coating of gold nanorods as highly efficient near-infrared photothermal agents for cancer therapy. <i>Carbohydrate Polymers</i> , 2019, 211, 360-369.	5.1	68
5	Synthesis of Silica-Coated Magnetic Hydroxyapatite Composites for Drug Delivery Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1951-1958.	0.9	12
6	Rapid microwave-assisted synthesis of gold loaded hydroxyapatite collagen nano-bio materials for drug delivery and tissue engineering application. <i>Ceramics International</i> , 2019, 45, 2977-2988.	2.3	61
7	Optimized Zn-doped hydroxyapatite/doxorubicin bioceramics system for efficient drug delivery and tissue engineering application. <i>Ceramics International</i> , 2018, 44, 6062-6071.	2.3	89
8	Multimodal tumor-homing chitosan oligosaccharide-coated biocompatible palladium nanoparticles for photo-based imaging and therapy. <i>Scientific Reports</i> , 2018, 8, 500.	1.6	102
9	Synthesis of urea-pyridyl ligand functionalized mesoporous silica hybrid material for hydrophobic and hydrophilic drug delivery application. <i>Journal of Porous Materials</i> , 2018, 25, 119-128.	1.3	5
10	Photo-based PDT/PTT dual model killing and imaging of cancer cells using phycocyanin-polypyrrole nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 123, 20-30.	2.0	53
11	Marine natural pigments as potential sources for therapeutic applications. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 745-761.	5.1	69
12	Fucoidan-coated CuS nanoparticles for chemo-and photothermal therapy against cancer. <i>Oncotarget</i> , 2018, 9, 12649-12661.	0.8	48
13	Nano-hydroxyapatite bioactive glass composite scaffold with enhanced mechanical and biological performance for tissue engineering application. <i>Ceramics International</i> , 2018, 44, 15735-15746.	2.3	65
14	Biomimetic synthesis of metal- α -hydroxyapatite (Au-HAp, Ag-HAp, Au-Ag-HAp): Structural analysis, spectroscopic characterization and biomedical application. <i>Ceramics International</i> , 2018, 44, 20490-20500.	2.3	64
15	Biocompatible Chitosan Oligosaccharide Modified Gold Nanorods as Highly Effective Photothermal Agents for Ablation of Breast Cancer Cells. <i>Polymers</i> , 2018, 10, 232.	2.0	39
16	Prussian blue decorated mesoporous silica hybrid nanocarriers for photoacoustic imaging-guided synergistic chemo-photothermal combination therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5220-5233.	2.9	40
17	Coating Chitosan Thin Shells: A Facile Technique to Improve Dispersion Stability of Magnetoliposomes. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 583-590.	0.9	6
18	Correction: Prussian blue decorated mesoporous silica hybrid nanocarriers for photoacoustic imaging-guided synergistic chemo-photothermal combination therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5476-5477.	2.9	3

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19	Photoacoustic Imaging-Guided Photothermal Therapy with Tumor-Targeting HA-FeOOH@PPy Nanorods. <i>Scientific Reports</i> , 2018, 8, 8809.	1.6	53
20	Synthesis of Fe ₃ O ₄ modified mesoporous silica hybrid for pH-responsive drug delivery and magnetic hyperthermia applications. <i>Journal of Porous Materials</i> , 2018, 25, 1251-1264.	1.3	15
21	Multifunctional biocompatible chitosan-polypyrrole nanocomposites as novel agents for photoacoustic imaging-guided photothermal ablation of cancer. <i>Scientific Reports</i> , 2017, 7, 43593.	1.6	75
22	Anti-EGFR Antibody Conjugation of Fucoidan-Coated Gold Nanorods as Novel Photothermal Ablation Agents for Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14633-14646.	4.0	55
23	Chlorin e6 conjugated copper sulfide nanoparticles for photodynamic combined photothermal therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 19, 128-134.	1.3	37
24	Marine Biopolymer-Based Nanomaterials as a Novel Platform for Theranostic Applications. <i>Polymer Reviews</i> , 2017, 57, 631-667.	5.3	45
25	Magnetic hyperthermia and pH-responsive effective drug delivery to the sub-cellular level of human breast cancer cells by modified CoFe ₂ O ₄ nanoparticles. <i>Biochimie</i> , 2017, 133, 7-19.	1.3	63
26	Astaxanthin conjugated polypyrrole nanoparticles as a multimodal agent for photo-based therapy and imaging. <i>International Journal of Pharmaceutics</i> , 2017, 517, 216-225.	2.6	31
27	Crown ether triad modified core-shell magnetic mesoporous silica nanocarrier for pH-responsive drug delivery and magnetic hyperthermia applications. <i>New Journal of Chemistry</i> , 2017, 41, 10935-10947.	1.4	18
28	Synthesis of surface capped mesoporous silica nanoparticles for pH-stimuli responsive drug delivery applications. <i>MedChemComm</i> , 2017, 8, 1797-1805.	3.5	19
29	Polypyrrole-methylene blue nanoparticles as a single multifunctional nanopatform for near-infrared photo-induced therapy and photoacoustic imaging. <i>RSC Advances</i> , 2017, 7, 35027-35037.	1.7	39
30	Synthesis and In Vitro Performance of Polypyrrole-Coated Iron-Platinum Nanoparticles for Photothermal Therapy and Photoacoustic Imaging. <i>Nanoscale Research Letters</i> , 2017, 12, 570.	3.1	34
31	Fucoidan-coated core-shell magnetic mesoporous silica nanoparticles for chemotherapy and magnetic hyperthermia-based thermal therapy applications. <i>New Journal of Chemistry</i> , 2017, 41, 15334-15346.	1.4	39
32	Magnetic hydroxyapatite: a promising multifunctional platform for nanomedicine application. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 8389-8410.	3.3	79
33	Hydroxyapatite Coated Iron Oxide Nanoparticles: A Promising Nanomaterial for Magnetic Hyperthermia Cancer Treatment. <i>Nanomaterials</i> , 2017, 7, 426.	1.9	105
34	Chlorin e6 conjugated silica nanoparticles for targeted and effective photodynamic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 19, 212-220.	1.3	63
35	In Vitro Photodynamic Effect of Phycocyanin against Breast Cancer Cells. <i>Molecules</i> , 2016, 21, 1470.	1.7	55
36	Synthesis of amine-polyglycidol functionalised Fe ₃ O ₄ @SiO ₂ nanocomposites for magnetic hyperthermia, pH-responsive drug delivery, and bioimaging applications. <i>RSC Advances</i> , 2016, 6, 110444-110453.	1.7	34

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37	Design of core-shell magnetic mesoporous silica hybrids for pH and UV light stimuli-responsive cargo release. RSC Advances, 2016, 6, 29106-29115.	1.7	24
38	Periodic mesoporous organosilica (PMO) for catalytic applications. Korean Journal of Chemical Engineering, 2014, 31, 1707-1719.	1.2	41
39	Mesoporous organosilica hybrids with a tunable amphoteric framework for controlled drug delivery. Journal of Materials Chemistry B, 2014, 2, 6487-6499.	2.9	27
40	Red fluorescent hybrid mesoporous organosilicas for simultaneous cell imaging and anticancer drug delivery. RSC Advances, 2014, 4, 43342-43345.	1.7	18
41	Periodic mesoporous organosilicas for advanced applications. NPG Asia Materials, 2014, 6, e96-e96.	3.8	163
42	Fluorescent mesoporous organosilicas for selective monitoring of Hg ²⁺ and Fe ³⁺ ions in water and living cells. Microporous and Mesoporous Materials, 2014, 194, 219-228.	2.2	16
43	Highly transparent, hydrophobic fluorinated polymethylsiloxane/silica organic-inorganic hybrids for anti-stain coating. Macromolecular Research, 2013, 21, 669-680.	1.0	38
44	Ion-imprinted mesoporous silica hybrids for selective recognition of target metal ions. Microporous and Mesoporous Materials, 2013, 180, 162-171.	2.2	36
45	Design of a Novel Mesoporous Organosilica Hybrid Microcarrier: a pH Stimuli-Responsive Dual-Drug-Delivery Vehicle for Intracellular Delivery of Anticancer Agents. Particle and Particle Systems Characterization, 2013, 30, 1044-1055.	1.2	41
46	Multifunctional Periodic Mesoporous Organosilicas for Biomolecule Recognition, Biomedical Applications in Cancer Therapy, and Metal Adsorption. European Journal of Inorganic Chemistry, 2013, 3028-3038.	1.0	28
47	A modified mesoporous silica optical nanosensor for selective monitoring of multiple analytes in water. Chemical Communications, 2013, 49, 8758.	2.2	33
48	Magnetic mesoporous silica hybrid nanoparticles for highly selective boron adsorption. Journal of Materials Chemistry A, 2013, 1, 12485.	5.2	59
49	Step-up synthesis of amidoxime-functionalised periodic mesoporous organosilicas with an amphoteric ligand in the framework for drug delivery. Journal of Materials Chemistry, 2012, 22, 9100.	6.7	61