Narsimha Mamidi

List of Publications by Year
in descending order

30	841	394421 19	501196 28
papers	citations	h-index	g-index

31	31	31	750
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design, fabrication and drug release potential of dual stimuli-responsive composite hydrogel nanoparticle interfaces. Colloids and Surfaces B: Biointerfaces, 2021, 204, 111819.	5.0	76
2	Engineering and evaluation of forcespun functionalized carbon nano-onions reinforced poly (Îµ-caprolactone) composite nanofibers for pH-responsive drug release. Materials Science and Engineering C, 2020, 112, 110928.	7.3	73
3	Covalently Functionalized Carbon Nano-Onions Integrated Gelatin Methacryloyl Nanocomposite Hydrogel Containing Î³-Cyclodextrin as Drug Carrier for High-Performance pH-Triggered Drug Release. Pharmaceuticals, 2021, 14, 291.	3.8	55
4	Development of Functionalized Carbon Nano-Onions Reinforced Zein Protein Hydrogel Interfaces for Controlled Drug Release. Pharmaceutics, 2019, 11, 621.	4.5	50
5	Engineering of carbon nano-onion bioconjugates for biomedical applications. Materials Science and Engineering C, 2021, 120, 111698.	7.3	48
6	Rational design and engineering of carbon nano-onions reinforced natural protein nanocomposite hydrogels for biomedical applications. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 104, 103696.	3.1	43
7	Study of lubrication and wear in single point incremental sheet forming (SPIF) process using vegetable oil nanolubricants. Wear, 2017, 376-377, 777-785.	3.1	42
8	Manufacture and mechanical properties of knee implants using SWCNTs/UHMWPE composites. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 120, 104554.	3.1	37
9	Zn(OTf)₂-Promoted Chemoselective Esterification of Hydroxyl Group Bearing Carboxylic Acids. Journal of Organic Chemistry, 2013, 78, 2386-2396.	3.2	33
10	Development of ultra-high molecular weight polyethylene-functionalized carbon nano-onions composites for biomedical applications. Diamond and Related Materials, 2019, 97, 107435.	3.9	33
11	Polyhydroxybutyrate-Based Nanocomposites for Bone Tissue Engineering. Pharmaceuticals, 2021, 14, 1163.	3.8	32
12	Carbon Nano-Onions Reinforced Multilayered Thin Film System for Stimuli-Responsive Drug Release. Pharmaceutics, 2020, 12, 1208.	4.5	31
13	Design, development, EUVL applications and nano mechanical properties of a new HfO2 based hybrid non-chemically amplified resist. RSC Advances, 2016, 6, 67143-67149.	3.6	28
14	Development of forcespun fiber-aligned scaffolds from gelatin-zein composites for potential use in tissue engineering and drug release. MRS Communications, 2018, 8, 885-892.	1.8	28
15	Fabrication of gelatin-poly(epichlorohydrin-co-ethylene oxide) fiber scaffolds by ForcespinningÂ® for tissue engineering and drug release. MRS Communications, 2017, 7, 913-921.	1.8	26
16	High throughput fabrication of curcumin embedded gelatin-polylactic acid forcespun fiber-aligned scaffolds for the controlled release of curcumin. MRS Communications, 2018, 8, 1395-1403.	1.8	26
17	Aromatic Sulfonium Polyoxomolybdates: Solidâ€State Photochromic Materials with Tunable Properties. Chemistry - A European Journal, 2015, 21, 18557-18562.	3.3	25
18	Unconventional and facile production of a stimuli-responsive multifunctional system for simultaneous drug delivery and environmental remediation. Environmental Science: Nano, 2021, 8, 2081-2097.	4.3	24

#	Article	IF	Citations
19	Alkyl cinnamates as regulator for the C1 domain of protein kinase C isoforms. Chemistry and Physics of Lipids, 2012, 165, 320-330.	3.2	23
20	<scp>C</scp>ytotoxicity evaluation of unfunctionalized multiwall carbon nanotubesâ€ultrahigh molecular weight polyethylene nanocomposites. Journal of Biomedical Materials Research - Part A, 2017, 105, 3042-3049.	4.0	20
21	Effects of Ortho Substituent Groups of Protocatechualdehyde Derivatives on Binding to the C1 Domain of Novel Protein Kinase C. Journal of Physical Chemistry B, 2012, 116, 10684-10692.	2.6	14
22	Engineering of functionalized carbon nano-onions reinforced nanocomposites: Fabrication, biocompatibility, and mechanical properties. Journal of Materials Research, 2020, 35, 922-930.	2.6	14
23	Development of diacyltetrol lipids as activators for the C1 domain of protein kinase C. Molecular BioSystems, 2012, 8, 1275.	2.9	12
24	Physicochemical characterization of diacyltetrol-based lipids consisting of both diacylglycerol and phospholipid headgroups. RSC Advances, 2014, 4, 21971-21978.	3.6	11
25	An organicâ€“inorganic hybrid supramolecular framework material based on a [P₂W₁₈O₆₂]^{6â^'}cluster and Yb & Na complexes of pyridine-2,6-dicarboxylic acid: a catalyst for selective oxidation of sulfides in water with H₂O₂. CrystEngComm, 2016, 18, 4272-4276.	2.6	10
26	Cytotoxicity Evaluation of Carbon Nanotubes for Biomedical and Tissue Engineering Applications. , 0, , .		7
27	Polymer Brush-Based Thin Films via Cu(0)-Mediated Surface-Initiated Atom Transfer Radical Polymerization for Sensing Applications. ACS Applied Polymer Materials, 2021, 3, 5339-5354.	4.4	7
28	Engineering and Evaluation of Forcespun Gelatin Nanofibers as an Isorhamnetin Glycosides Delivery System. Pharmaceutics, 2022, 14, 1116.	4.5	7
29	Synthesis and protein kinase C (PKC)-C1 domain binding properties of diacyltetrol based anionic lipids. Molecular BioSystems, 2014, 10, 3002-3013.	2.9	5
30	Elucidating the interaction of Î³-hydroxymethyl-Î³-butyrolactone substituents with model membranes and protein kinase Câ€“C1 domains. Molecular BioSystems, 2015, 11, 1389-1399.	2.9	1