

Ramdayal Yadav

List of Publications by Year in descending order

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27
papers

1,059
citations

430874

18
h-index

552781

26
g-index

29
all docs

29
docs citations

29
times ranked

996
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer composite for antistatic application in aerospace. Defence Technology, 2020, 16, 107-118.	4.2	159
2	Graphene and Graphene Oxide for Fuel Cell Technology. Industrial & Engineering Chemistry Research, 2018, 57, 9333-9350.	3.7	134
3	Needleless electrospun phytochemicals encapsulated nanofibre based 3-ply biodegradable mask for combating COVID-19 pandemic. Chemical Engineering Journal, 2021, 416, 129152.	12.7	85
4	Body armour materials: from steel to contemporary biomimetic systems. RSC Advances, 2016, 6, 115145-115174.	3.6	76
5	Balancing the toughness and strength in polypropylene composites. Composites Part B: Engineering, 2021, 223, 109121.	12.0	75
6	Fight against COVID-19: The case of antiviral surfaces. APL Materials, 2021, 9, 031112.	5.1	62
7	Antibacterial application of polyvinylalcohol-nanogold composite membranes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 455, 174-178.	4.7	45
8	Review on 3D Prototyping of Damage Tolerant Interdigitating Brick Arrays of Nacre. Industrial & Engineering Chemistry Research, 2017, 56, 10516-10525.	3.7	42
9	Biomimicking of Hierarchical Molluscan Shell Structure Via Layer by Layer 3D Printing. Industrial & Engineering Chemistry Research, 2018, 57, 10832-10840.	3.7	42
10	Egg albumin PVA hybrid membranes for antibacterial application. Materials Letters, 2013, 110, 130-133.	2.6	39
11	Metallization of electrospun PAN nanofibers via electroless gold plating. RSC Advances, 2015, 5, 24990-24996.	3.6	39
12	Polycrylonitrile/Syzygium aromaticum hierarchical hydrophilic nanocomposite as a carrier for antibacterial drug delivery systems. RSC Advances, 2015, 5, 3291-3298.	3.6	39
13	Structural and Thermal Stability of Polycarbonate Decorated Fumed Silica Nanocomposite via Thermomechanical Analysis and In-situ Temperature Assisted SAXS. Scientific Reports, 2017, 7, 7706.	3.3	38
14	Sustainable synthesis of rose flower-like magnetic biochar from tea waste for environmental applications. Journal of Advanced Research, 2021, 34, 13-27.	9.5	22
15	Novel Phosphorous-Based Deep Eutectic Solvents for the Production of Recyclable Macadamia Nutshell ⁺ Polymer Biocomposites with Improved Mechanical and Fire Safety Performances. ACS Sustainable Chemistry and Engineering, 2021, 9, 4463-4476.	6.7	21
16	The reinforcing role of 2D graphene analogue MoS ₂ nanosheets in multiscale carbon fibre composites: Improvement of interfacial adhesion. Composites Science and Technology, 2021, 207, 108717.	7.8	21
17	Antibacterial nanofibers of polyoxymethylene/gold for pro-hygiene applications. International Journal of Plastics Technology, 2015, 19, 363-367.	3.1	19
18	Advancement in Textile Technology for Defence Application. Defence Science Journal, 2013, 63, 331-339.	0.8	19

#	ARTICLE	IF	CITATIONS
19	Temperature Assisted in-Situ Small Angle X-ray Scattering Analysis of Ph-POSS/PC Polymer Nanocomposite. Scientific Reports, 2016, 6, 29917.	3.3	18
20	Facemask Global Challenges: The Case of Effective Synthesis, Utilization, and Environmental Sustainability. Sustainability, 2022, 14, 737.	3.2	15
21	Bioabsorbable engineered nanobiomaterials for antibacterial therapy. , 2016, , 77-117.		12
22	Quantitative Evolution of Wetting Phenomena for Super Hydrophobic Surfaces. Materials Focus, 2018, 7, 305-315.	0.4	11
23	Covalent treatment of carbon fibre with functionalized MoS2 nanosheets using thiol-ene click chemistry: The improvement of interface in multiscale epoxy composites. Composites Part B: Engineering, 2022, 236, 109821.	12.0	7
24	Encapsulation of gold nanoparticles with PHB based on coffee ring effect. RSC Advances, 2015, 5, 18501-18505.	3.6	4
25	Thermomechanical characteristics of h-BN- and POSS-based bisphenol A polycarbonate nanocomposites. Polymer-Plastics Technology and Materials, 2019, 58, 1742-1756.	1.3	4
26	Aramid Polycarbonate Resin Film Engineered Composite for Ballistic Protection: Engineered Layered Materials. Materials Horizons, 2021, , 49-66.	0.6	3
27	Mollusk-Inspired 3D Printing of Polycarbonate via Fused Deposition Modelling. , 2021, , 1493-1504.		2