

# Gaurav Verma

## List of Publications by Year in descending order

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34  
papers

1,102  
citations

687363

13  
h-index

414414

32  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1509  
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlating mechanical properties of polyurethane-organoclay nanocomposite coatings with processing. Progress in Organic Coatings, 2022, 169, 106895.	3.9	7
2	Synthesis and characterization of graphene oxide-bovine serum albumin conjugate membrane for adsorptive removal of Cobalt(II) from water. International Journal of Environmental Science and Technology, 2021, 18, 3915-3928.	3.5	7
3	Morphology and surface analyses for CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite thin films treated with versatile solvent-antisolvent vapors. RSC Advances, 2021, 11, 17789-17799.	3.6	10
4	Synthesis of conductive polyaniline-carbon nanofiber nanocomposite with chenille like morphology for photocatalytic coatings applications. Progress in Organic Coatings, 2021, 151, 106102.	3.9	4
5	Facile and scalable functionalization of carbon nanofibers for oxygen reduction reaction: Role of nitrogen precursor and non-ionic dispersant. Journal of Industrial and Engineering Chemistry, 2021, 96, 307-314.	5.8	10
6	“Romanesco broccoli” like palladium nano-fractals for superior methanol electro-oxidation. Journal of Materials Science, 2020, 55, 125-139.	3.7	2
7	Novel insights into the dispersed and acid-mediated surface modification of the carbon nanofibers. Materials Chemistry and Physics, 2020, 239, 121978.	4.0	9
8	A review on peptide functionalized graphene derivatives as nanotools for biosensing. Mikrokimica Acta, 2020, 187, 27.	5.0	32
9	Green synthesis of peptide functionalized reduced graphene oxide (rGO) nano bioconjugate with enhanced antibacterial activity. Scientific Reports, 2020, 10, 9441.	3.3	65
10	A versatile lead iodide particle synthesis and film surface analysis for optoelectronics. Journal of Alloys and Compounds, 2020, 829, 154486.	5.5	10
11	Plant Nanobionic Effect of Multi-walled Carbon Nanotubes on Growth, Anatomy, Yield and Grain Composition of Rice. BioNanoScience, 2020, 10, 430-445.	3.5	34
12	Optical properties of transition metal doped ZnS nanoparticles in PVK based nanocomposite films. Optik, 2020, 206, 164357.	2.9	21
13	Encapsulation of carbon nanofiber inside liposome for target drug delivery. AIP Conference Proceedings, 2019, , .	0.4	5
14	Study of photo-catalytic degradation of MB dye a water pollutant from sonochemically synthesized CdSe:Zn nanoparticles. , 2019, , .		0
15	Weathering, salt spray corrosion and mar resistance mechanism of clay (nano-platelet) reinforced polyurethane nanocomposite coatings. Progress in Organic Coatings, 2019, 129, 260-270.	3.9	27
16	Role of shell type of core/shell nanoparticles in luminescence properties of PVK-CdS/X nanocomposite films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	6
17	Scale Minimization in Sugar Industry Evaporators using Nanoporous Industrial Bio-solid Waste Bagasse Fly Ash. Sugar Tech, 2019, 21, 301-311.	1.8	6
18	Biomass derived hierarchical porous carbon materials as oxygen reduction reaction electrocatalysts in fuel cells. Progress in Materials Science, 2019, 102, 1-71.	32.8	129

#	ARTICLE	IF	CITATIONS
19	Supramolecular modification of Carbon Nanofibers with Poly(diallyl dimethylammonium) chloride and Triton X-100 for electrochemical application. International Journal of Hydrogen Energy, 2018, 43, 6575-6585.	7.1	18
20	Facile synthesis of mesoporous carbon material from treated kitchen waste for energy applications. Materials for Renewable and Sustainable Energy, 2018, 7, 1.	3.6	9
21	Multi-walled carbon nanotubes applied through seed priming influence early germination, root hair, growth and yield of bread wheat ( <i>Triticum aestivum</i> L.). Journal of the Science of Food and Agriculture, 2018, 98, 3148-3160.	3.5	127
22	Tracking multi-walled carbon nanotubes inside oat ( <i>Avena sativa</i> L.) plants and assessing their effect on growth, yield, and mammalian (human) cell viability. Applied Nanoscience (Switzerland), 2018, 8, 1399-1414.	3.1	28
23	Detection of gold nanoparticles signal inside wheat ( <i>Triticum Aestivum</i> .L) and oats ( <i>Avena sativa</i> ) seedlings. AIP Conference Proceedings, 2018, , .	0.4	7
24	Effect of nanocrystals concentration on optical and luminescent properties of PVK:ZnSe nanocomposites. Materials Science-Poland, 2018, 36, 494-500.	1.0	3
25	Nano-interfaces between clay platelets and polyurethane hard segments in spray coated automotive nanocomposites.. Progress in Organic Coatings, 2016, 99, 282-294.	3.9	22
26	Surfactant assisted liquid phase exfoliation of graphene via probe tip sonication. AIP Conference Proceedings, 2015, , .	0.4	3
27	Carbon nanofibers suppress fungal inhibition of seed germination of maize ( <i>Zea mays</i> ) and barley ( <i>Hordeum vulgare</i> L.) crop. AIP Conference Proceedings, 2015, , .	0.4	4
28	Comparative assessment of nano-morphology and properties of spray coated clear polyurethane coatings reinforced with different organoclays. Progress in Organic Coatings, 2013, 76, 1046-1056.	3.9	29
29	Preparation, characterization and properties of organoclay reinforced polyurethane nanocomposite coatings. Journal of Plastic Film and Sheeting, 2013, 29, 56-77.	2.2	23
30	Interaction of Nano-Sized Materials With Polymer Chains in Polymer-Nanocomposite Thin Films-An AFM Perspective. AIP Conference Proceedings, 2011, , .	0.4	1
31	Green nanocomposites based on thermoplastic starch and steam exploded cellulose nanofibrils from wheat straw. Carbohydrate Polymers, 2010, 82, 337-345.	10.2	416
32	Morphology, X-ray Diffraction and Mechanical Properties of Resol-montmorillonite Clay Composites. Journal of Thermoplastic Composite Materials, 2010, 23, 79-97.	4.2	13
33	PBT/Thermoplastic Elastomer Blends' Mechanical, Morphological, and Rheological Characterization. Polymer-Plastics Technology and Engineering, 2008, 47, 969-977.	1.9	11
34	Developing and Characterizing Polyurethane-Nanoclay Coatings for Better Scratch & Mar Resistance. Advanced Materials Research, 0, 585, 473-477.	0.3	3