

Anujit Ghosal

List of Publications by Year in descending order

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33
papers

999
citations

471477

17
h-index

454934

30
g-index

36
all docs

36
docs citations

36
times ranked

1303
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Carbon Nanotubesâ€“Hydrogel Hybrids in Nanomedicine for Therapeutics. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701213.	7.6	143
2	A review on cleaner production of polymeric and nanocomposite coatings based on waterborne polyurethane dispersions from seed oils. <i>Progress in Organic Coatings</i> , 2019, 131, 259-275.	3.9	96
3	Magnetic Hydrogel with Optimally Adaptive Functions for Breast Cancer Recurrence Prevention. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900203.	7.6	85
4	High-Performance Soya Polyurethane Networked Silica Hybrid Nanocomposite Coatings. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 12770-12787.	3.7	65
5	Nanocomposite Hydrogels: Advances in Nanofillers Used for Nanomedicine. <i>Gels</i> , 2018, 4, 75.	4.5	62
6	Facile green synthesis of nickel nanostructures using natural polyol and morphology dependent dye adsorption properties. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12868.	10.3	56
7	Iron nanoparticles augmented chemodynamic effect by alternative magnetic field for wound disinfection and healing. <i>Journal of Controlled Release</i> , 2020, 324, 598-609.	9.9	51
8	High performance anti-corrosive epoxyâ€“titania hybrid nanocomposite coatings. <i>New Journal of Chemistry</i> , 2017, 41, 4599-4610.	2.8	46
9	Physicochemical and Pharmacokinetic Analysis of Anacardic Acid Derivatives. <i>ACS Omega</i> , 2020, 5, 6021-6030.	3.5	44
10	Antibacterial and antiviral high-performance nanosystems to mitigate new SARS-CoV-2 variants of concern. <i>Current Opinion in Biomedical Engineering</i> , 2022, 21, 100363.	3.4	41
11	Synthesis of graphenized Au/ZnO plasmonic nanocomposites for simultaneous sunlight mediated photo-catalysis and anti-microbial activity. <i>Journal of Hazardous Materials</i> , 2018, 347, 378-389.	12.4	36
12	Composition-Tunable Ultrasmall Manganese Ferrite Nanoparticles: Insights into their <i>In Vivo</i> Contrast Efficacy. <i>Theranostics</i> , 2019, 9, 1764-1776.	10.0	32
13	Biosensors for Epilepsy Management: State-of-Art and Future Aspects. <i>Sensors</i> , 2019, 19, 1525.	3.8	31
14	Novel mesoporous trimetallic strontium magnesium ferrite (Sr _{0.3} Mg _{0.7} Fe ₂ O ₄) nanocubes: A selective and recoverable magnetic nanoadsorbent for Congo red. <i>Journal of Alloys and Compounds</i> , 2019, 791, 336-347.	5.5	28
15	Influence of microwave irradiation on various properties of nanopolythiophene and their anticorrosive nanocomposite coatings. <i>RSC Advances</i> , 2014, 4, 50594-50605.	3.6	27
16	NiO nanofiller dispersed hybrid Soy epoxy anticorrosive coatings. <i>Progress in Organic Coatings</i> , 2019, 133, 61-76.	3.9	24
17	Clean synthesis and characterization of green nanostructured polymeric thin films from endogenous Mg (II) ions coordinated methylolated-Cashew nutshell liquid. <i>Journal of Cleaner Production</i> , 2019, 238, 117716.	9.3	22
18	Nonmagnetic Hypertonic Saline-Based Implant for Breast Cancer Postsurgical Recurrence Prevention by Magnetic Field/pH-Driven Thermochemotherapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10597-10607.	8.0	17

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19	Comparative studies on coating materials of urotropine modified furfurylolated-tCNSL and methylolated-tCNSL thermoset for anticorrosive application: Switching towards a cleaner approach. <i>Journal of Cleaner Production</i> , 2022, 345, 130933.	9.3	16
20	Preparation and characterization of nanostructured biohybrid. <i>Progress in Organic Coatings</i> , 2011, 72, 469-472.	3.9	15
21	Formulation of silica-based corn oil transformed polyester acryl amide-phenol formaldehyde corrosion resistant coating material. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51651.	2.6	7
22	One-pot synthesis of zinc ion coordinated hydroxy-terminated polyurethanes based on low molecular weight polyethylene glycol and toluene diisocyanate. <i>Journal of Polymer Research</i> , 2022, 29, 1.	2.4	7
23	The Scope of Biopolymers in Food Industry. <i>Springer Series on Polymer and Composite Materials</i> , 2022, , 173-198.	0.7	7
24	Linseed oil derived terpolymer/silica nanocomposite materials for anticorrosive coatings. <i>Polymer Engineering and Science</i> , 2021, 61, 2243-2256.	3.1	6
25	Journey of Hydrogels to Nanogels: A Decade After. <i>RSC Smart Materials</i> , 2017, , 1-8.	0.1	6
26	New insights into the structural, optical, electronic and photocatalytic properties of sulfur doped bulk BiVO ₄ and surface BiVO ₄ on {0 1 0} and {1 1 0} via a collective theoretical and experimental investigation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 426, 113757.	3.9	6
27	Hydrogels: Stimuli Responsive to on-Demand Drug Delivery Systems. , 2017, , 117-130.		4
28	Impact of Nanoclay on the pH-Responsiveness and Biodegradable Behavior of Biopolymer-Based Nanocomposite Hydrogels. <i>Gels</i> , 2019, 5, 44.	4.5	3
29	Design and Engineering of Nanogels. <i>RSC Smart Materials</i> , 2017, , 9-28.	0.1	3
30	Nanotechnology for Therapeutics. , 2017, , 25-40.		1
31	Lipid-based nanostructures in food applications. , 2022, , 113-128.		1
32	Superhydrophobic coordination polyurethane films based on methylolated-cardanol and hexamethylene diisocyanate: Synthesis, characterization and antibacterial evaluation. <i>Progress in Organic Coatings</i> , 2022, 168, 106886.	3.9	1
33	Raman "Green" Spectroscopy for Ultrasensitive Analyte Detection. , 2019, , 165-190.		0