

Olivija Plohl

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7477971/publications.pdf>

Version: 2024-02-01

17
papers

452
citations

759055

12
h-index

887953

17
g-index

17
all docs

17
docs citations

17
times ranked

623
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionalization of Polyethylene (PE) and Polypropylene (PP) Material Using Chitosan Nanoparticles with Incorporated Resveratrol as Potential Active Packaging. <i>Materials</i> , 2019, 12, 2118.	1.3	59
2	Optically Detected Degradation of NaYF ₄ :Yb,Tm-Based Upconversion Nanoparticles in Phosphate Buffered Saline Solution. <i>Langmuir</i> , 2017, 33, 553-560.	1.6	55
3	Dissolution Mechanism of Upconverting AYF ₄ :Yb,Tm (A = Na or K) Nanoparticles in Aqueous Media. <i>Langmuir</i> , 2016, 32, 8222-8229.	1.6	49
4	Amphiphilic coatings for the protection of upconverting nanoparticles against dissolution in aqueous media. <i>Dalton Transactions</i> , 2017, 46, 6975-6984.	1.6	35
5	Physicochemical Characterization of Packaging Foils Coated by Chitosan and Polyphenols Colloidal Formulations. <i>International Journal of Molecular Sciences</i> , 2020, 21, 495.	1.8	34
6	Metallisation of Textiles and Protection of Conductive Layers: An Overview of Application Techniques. <i>Sensors</i> , 2021, 21, 3508.	2.1	31
7	Mesoporous silica nanoparticles modified with N-rich polymer as a potentially environmentally-friendly delivery system for pesticides. <i>Microporous and Mesoporous Materials</i> , 2021, 310, 110663.	2.2	30
8	Highly Protein Repellent and Antiadhesive Polysaccharide Biomaterial Coating for Urinary Catheter Applications. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5825-5832.	2.6	29
9	Surface modification of silicone with colloidal polysaccharides formulations for the development of antimicrobial urethral catheters. <i>Applied Surface Science</i> , 2019, 463, 889-899.	3.1	24
10	Superior stability and high biosorbent efficiency of carboxymethylchitosan covalently linked to silica-coated core-shell magnetic nanoparticles for application in copper removal. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102913.	3.3	21
11	Efficient Copper Removal from an Aqueous Environment using a Novel and Hybrid Nanoadsorbent Based on Derived-Polyethyleneimine Linked to Silica Magnetic Nanocomposites. <i>Nanomaterials</i> , 2019, 9, 209.	1.9	21
12	Bioactive Functional Nanolayers of Chitosan-Lysine Surfactant with Single- and Mixed-Protein-Repellent and Antibiofilm Properties for Medical Implants. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23352-23368.	4.0	16
13	Applicability of electro-osmotic flow for the analysis of the surface zeta potential. <i>RSC Advances</i> , 2020, 10, 6777-6789.	1.7	15
14	Development of Biodegradable Whey-Based Laminate Functionalised by Chitosan-Natural Extract Formulations. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3668.	1.8	12
15	Functionalisation of Silicone by Drug-Embedded Chitosan Nanoparticles for Potential Applications in Otorhinolaryngology. <i>Materials</i> , 2019, 12, 847.	1.3	10
16	Magnetic nanostructures functionalized with a derived lysine coating applied to simultaneously remove heavy metal pollutants from environmental systems. <i>Science and Technology of Advanced Materials</i> , 2021, 22, 55-71.	2.8	10
17	A Magnetic Nanocomposite Modifier for Improved Ultrasensitive Detection of Hexavalent Chromium in Water Samples. <i>Chemosensors</i> , 2021, 9, 189.	1.8	1