

Xinyan Dai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1193052/publications.pdf>

Version: 2024-02-01

16
papers

576
citations

759233

12
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

766
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of bio-based unsaturated polyester resins and their application in waterborne UV-curable coatings. <i>Progress in Organic Coatings</i> , 2015, 78, 49-54.	3.9	124
2	How does epoxidized soybean oil improve the toughness of microcrystalline cellulose filled polylactide acid composites?. <i>Composites Science and Technology</i> , 2014, 90, 9-15.	7.8	73
3	Corrosion of aluminum alloy 2024 caused by <i>Aspergillus niger</i> . <i>International Biodeterioration and Biodegradation</i> , 2016, 115, 1-10.	3.9	68
4	Stable and durable laser-induced graphene patterns embedded in polymer substrates. <i>Carbon</i> , 2020, 163, 85-94.	10.3	66
5	2,5-Furandicarboxylic Acid- and Itaconic Acid-Derived Fully Biobased Unsaturated Polyesters and Their Cross-Linked Networks. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 2650-2657.	3.7	58
6	Reduction of carbon dioxide on photoexcited nanoparticles of VIII group metals. <i>Nanoscale</i> , 2019, 11, 16723-16732.	5.6	35
7	Preparation of Biobased Monofunctional Compatibilizer from Cardanol To Fabricate Polylactide/Starch Blends with Superior Tensile Properties. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 10653-10659.	3.7	32
8	Fabricating Highly Reactive Bio-based Compatibilizers of Epoxidized Citric Acid To Improve the Flexural Properties of Polylactide/Microcrystalline Cellulose Blends. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 3806-3812.	3.7	27
9	A toughened PLA/Nanosilica composite obtained in the presence of epoxidized soybean oil. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	25
10	Selective Transfer Coupling of Nitrobenzene to Azoxybenzene on Rh Nanoparticle Catalyst Promoted by Photoexcited Hot Electrons. <i>ChemNanoMat</i> , 2019, 5, 1000-1007.	2.8	16
11	Geometric Symmetry of Dielectric Antenna Influencing Light Absorption in Quantum-Sized Metal Nanocrystals: A Comparative Study. <i>Frontiers in Chemistry</i> , 2018, 6, 494.	3.6	15
12	Enabling selective aerobic oxidation of alcohols to aldehydes by hot electrons in quantum-sized Rh nanocubes. <i>Materials Today Energy</i> , 2018, 10, 15-22.	4.7	14
13	Mesoporous SiO ₂ Nanoparticles: A Unique Platform Enabling Sensitive Detection of Rare Earth Ions with Smartphone Camera. <i>Nano-Micro Letters</i> , 2018, 10, 55.	27.0	9
14	Highly Dispersed RuOOH Nanoparticles on Silica Spheres: An Efficient Photothermal Catalyst for Selective Aerobic Oxidation of Benzyl Alcohol. <i>Nano-Micro Letters</i> , 2020, 12, 41.	27.0	6
15	Synergistic effect of pH and oxalate concentration on corrosion of aluminium alloy 2024-T3. <i>Corrosion Engineering Science and Technology</i> , 2018, 53, 413-421.	1.4	4
16	Using Azo-Compounds to Endow Biobased Thermosetting Coatings with Potential Application for Reversible Information Storage. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4551-4558.	4.4	4