

Peerapan Dittanet

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

931
citations

687363

13
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

1282
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of silica nanoparticle size on toughening mechanisms of filled epoxy. <i>Polymer</i> , 2012, 53, 1890-1905.	3.8	238
2	CO ₂ hydrogenation to methanol using Cu-Zn catalyst supported on reduced graphene oxide nanosheets. <i>Journal of CO₂ Utilization</i> , 2016, 16, 104-113.	6.8	104
3	Effect of bimodal particle size distributions on the toughening mechanisms in silica nanoparticle filled epoxy resin. <i>Polymer</i> , 2013, 54, 1832-1845.	3.8	82
4	Removal of Heavy Metal Ions Using Modified Celluloses Prepared from Pineapple Leaf Fiber. <i>ACS Omega</i> , 2020, 5, 5285-5296.	3.5	81
5	Thermo-mechanical behaviors and moisture absorption of silica nanoparticle reinforcement in epoxy resins. <i>International Journal of Adhesion and Adhesives</i> , 2017, 78, 74-82.	2.9	54
6	Charge storage mechanisms of electrospun Mn ₃ O ₄ nanofibres for high-performance supercapacitors. <i>RSC Advances</i> , 2017, 7, 9958-9963.	3.6	53
7	Synthesis of copper-nickel/SBA-15 from rice husk ash catalyst for dimethyl carbonate production from methanol and carbon dioxide. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 31, 156-166.	5.8	47
8	Direct synthesis of dimethyl carbonate from CO ₂ and methanol by supported bimetallic Cu-Ni/ZIF-8 MOF catalysts. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 16-24.	5.3	47
9	Hybrid Energy Storage of Ni(OH) ₂ -coated N-doped Graphene Aerogel//N-doped Graphene Aerogel for the Replacement of NiCd and NiMH Batteries. <i>Scientific Reports</i> , 2017, 7, 1124.	3.3	35
10	Toughening of epoxy hybrid nanocomposites modified with silica nanoparticles and epoxidized natural rubber. <i>Journal of Polymer Research</i> , 2017, 24, 1.	2.4	26
11	Hybrid energy storage of battery-type nickel hydroxide and supercapacitor-type graphene: redox additive and charge storage mechanism. <i>Sustainable Energy and Fuels</i> , 2017, 1, 275-279.	4.9	25
12	Fracture behavior of silica nanoparticles reinforced rubber/epoxy composite. <i>Journal of Reinforced Plastics and Composites</i> , 2017, 36, 1156-1167.	3.1	23
13	Optimization of synthesis condition for carboxymethyl cellulose-based hydrogel from rice straw by microwave-assisted method and its application in heavy metal ions removal. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 413-425.	3.2	22
14	Electron beam radiation curing of natural rubber filled with silica-graphene mixture prepared by latex mixing. <i>Industrial Crops and Products</i> , 2019, 141, 111789.	5.2	14
15	Characterization of Cu-Zn/Core-Shell Al-MCM-41 as a Catalyst for Reduction of NO: Effect of Zn Promoter. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 13050-13061.	3.7	12
16	Control of Ethylene Dichloride Cracking Furnace Using an Analytical Model Predictive Control Strategy for a Coupled Partial Differential Equation/Ordinary Differential Equation System. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10121-10131.	3.7	8
17	Natural rubber reinforced by nanocellulose extracted from dried rubber leaves. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	7
18	Impacts of spray drying conditions on stability of isoflavones in microencapsulated soybean extract. <i>Drying Technology</i> , 2019, 37, 1844-1862.	3.1	7

#	ARTICLE	IF	CITATIONS
19	Modification of pineapple leaf fibers with aminosilanes as adsorbents for H ₂ S removal. <i>Chemosphere</i> , 2021, 266, 129000.	8.2	7
20	Film and latex forms of silica-reinforced natural rubber composite vulcanized using electron beam irradiation. <i>Heliyon</i> , 2021, 7, e07176.	3.2	7
21	Statistical optimization for precipitation of bioactive compounds from extracted <i>Centella asiatica</i> using gas anti-solvent technique. <i>Journal of Food Process Engineering</i> , 2020, 43, e13318.	2.9	5
22	Raman spectroscopic study of reinforcement mechanisms of electron beam radiation crosslinking of natural rubber composites filled with graphene and silica/graphene mixture prepared by latex mixing. <i>Composites Part C: Open Access</i> , 2020, 3, 100049.	3.2	5
23	Electron beam irradiation crosslinked chitosan/natural rubber -latex film: Preparation and characterization. <i>Radiation Physics and Chemistry</i> , 2020, 177, 109159.	2.8	5
24	Extraction of Nanocellulose from Dried Rubber Tree Leaves by Acid Hydrolysis. <i>Materials Science Forum</i> , 2018, 936, 37-41.	0.3	4
25	Natural Rubber Reinforced with Silica Nanoparticles Extracted from Jasmine and Riceberry Rice Husk Ashes. <i>Materials Science Forum</i> , 2018, 936, 31-36.	0.3	3
26	Effect of Gamma Radiation on Properties of Cellulose Nanocrystal/Natural Rubber Nanocomposites. <i>Key Engineering Materials</i> , 0, 772, 13-17.	0.4	3
27	Effect of Polyethylene Glycol in Nanocellulose/PLA Composites. <i>Key Engineering Materials</i> , 2019, 821, 89-95.	0.4	3
28	Effect of Cellulose Functionalization on Thermal and Mechanical Properties of Epoxy Resin. <i>Key Engineering Materials</i> , 2017, 757, 62-67.	0.4	2
29	Enhancing Dispersion of Silica Nanoparticles with Ammonium Laurate Surfactant for Natural Rubber Latex Composites. <i>Key Engineering Materials</i> , 0, 821, 74-80.	0.4	1
30	Properties of silica/natural rubber composite film and foam: Effects of silica content and sulfur vulcanization system. <i>Journal of Polymer Research</i> , 2022, 29, .	2.4	1