

Nurhidayatullaili Binti Muhd Julkapli

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

3,271
citations

257450

24
h-index

155660

55
g-index

85
all docs

85
docs citations

85
times ranked

5449
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoactive of Chitosan-ZrO ₂ /TiO ₂ thin film in catalytic degradation of malachite green dyes by solar light. <i>Optical Materials</i> , 2022, 124, 111967.	3.6	8
2	Photoactive chitosan-titania multilayer assembly for oxidative dye degradation. <i>Journal of Materials Science</i> , 2022, 57, 12377-12392.	3.7	1
3	Cerium(IV) oxide nanocomposites: Catalytic properties and industrial application. <i>Journal of Rare Earths</i> , 2021, 39, 129-139.	4.8	23
4	Supramolecular assembly and spectroscopic characterization of indolenine-barbituric acid zwitterions. <i>New Journal of Chemistry</i> , 2021, 45, 1221-1230.	2.8	4
5	Gold-Carbon Nanocomposites for Environmental Contaminant Sensing. <i>Micromachines</i> , 2021, 12, 719.	2.9	11
6	Physico-chemical characteristics of nanocellulose at the variation of catalytic hydrolysis process. <i>Heliyon</i> , 2021, 7, e07267.	3.2	9
7	Surface modification of Carbon-Based Nanoadsorbents for the Advanced Wastewater Treatment. <i>Journal of Molecular Structure</i> , 2021, 1235, 130148.	3.6	43
8	Visible light active TiO ₂ /CS/Fe ₃ O ₄ for nitrophenol degradation: Studying impact of TiO ₂ , CS and Fe ₃ O ₄ loading on the optical and photocatalytic performance of nanocomposite. <i>Materials Science in Semiconductor Processing</i> , 2021, 131, 105891.	4.0	13
9	Simultaneous detection of dual food adulterants using graphene oxide and gold nanoparticle based surface enhanced Raman scattering duplex DNA biosensor. <i>Vibrational Spectroscopy</i> , 2021, 116, 103293.	2.2	5
10	DNA/Nano based advanced genetic detection tools for authentication of species: Strategies, prospects and limitations. <i>Molecular and Cellular Probes</i> , 2021, 59, 101758.	2.1	13
11	Dual platform based sandwich assay surface-enhanced Raman scattering DNA biosensor for the sensitive detection of food adulteration. <i>Analyst</i> , The, 2020, 145, 1414-1426.	3.5	21
12	Gold hybrid nanomaterials: Prospective on photocatalytic activities for wastewater treatment application. <i>Materials Chemistry and Physics</i> , 2020, 241, 122415.	4.0	10
13	Gold-graphene oxide nanohybrids: A review on their chemical catalysis. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 83, 1-13.	5.8	25
14	Nano-diamond based photocatalysis for solar hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 31538-31554.	7.1	15
15	Fatty acid coated iron oxide nanoparticle: Effect on stability, particle size and magnetic properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 606, 125371.	4.7	17
16	A correlation on ultrasonication with nanocrystalline cellulose characteristics. <i>Carbohydrate Polymers</i> , 2020, 246, 116553.	10.2	22
17	Mitigation of pollutants by chitosan/metallic oxide photocatalyst: A review. <i>Journal of Cleaner Production</i> , 2020, 261, 121190.	9.3	60
18	SYNTHESIS AND CHARACTERIZATION OF NANOCRYSTALLINE CELLULOSE AS REINFORCEMENT IN NITRILE BUTADIENE RUBBER COMPOSITES. <i>Cellulose Chemistry and Technology</i> , 2020, 54, 11-25.	1.2	11

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19	Effect on different TiO ₂ photocatalyst supports on photodecolorization of synthetic dyes: a review. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 547-566.	3.5	85
20	Response surface approach for visible light assisted photocatalytic degradation of ortho nitrophenol by magnetically separable TiO ₂ /CS nanocomposite. <i>Materials Science in Semiconductor Processing</i> , 2019, 99, 34-43.	4.0	13
21	Influence of Crosslinking Density on Antioxidant Nanocellulose in Bio-degradation and Mechanical Properties of Nitrile Rubber Composites. <i>Fibers and Polymers</i> , 2019, 20, 165-176.	2.1	17
22	Graphene oxide and gold nanoparticle based dual platform with short DNA probe for the PCR free DNA biosensing using surface-enhanced Raman scattering. <i>Biosensors and Bioelectronics</i> , 2019, 131, 214-223.	10.1	64
23	Influence of Hydrophobicity of Acetylated Nanocellulose on the Mechanical Performance of Nitrile Butadiene Rubber (NBR) Composites. <i>Fibers and Polymers</i> , 2018, 19, 383-392.	2.1	14
24	Nanocellulose reinforced as green agent in polymer matrix composites applications. <i>Polymers for Advanced Technologies</i> , 2018, 29, 1531-1546.	3.2	26
25	Solar-Driven, Highly Stable Photocatalyst System for Mitigation of Organic Pollutants via Mixed Phase Titania. <i>Green Energy and Technology</i> , 2018, , 87-104.	0.6	0
26	Surface Modification of Titania/Gold Nanoparticles for Photocatalytic Applications. <i>Green Energy and Technology</i> , 2018, , 25-35.	0.6	0
27	Development of catalyst complexes for upgrading biomass into ester-based biolubricants for automotive applications: a review. <i>RSC Advances</i> , 2018, 8, 5559-5577.	3.6	27
28	Swelling behavior and chemical stability of chitosan/nanocellulose biocomposites. <i>Polymer Composites</i> , 2018, 39, E561.	4.6	19
29	Polymers for catalysis in water purification. <i>Polymers for Advanced Technologies</i> , 2018, 29, 701-707.	3.2	6
30	Graphene metal nanocomposites " Recent progress in electrochemical biosensing applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 59, 425-439.	5.8	51
31	Reinforcement effect of nanocellulose on thermal stability of nitrile butadiene rubber (NBR) composites. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46594.	2.6	23
32	Layered Catalyst Compositions for Photo-Treating of Industrial Effluents. <i>Green Energy and Technology</i> , 2018, , 105-116.	0.6	0
33	Enhanced Photocatalytic Activity by Using Modification Activated Carbon. <i>Green Energy and Technology</i> , 2018, , 1-23.	0.6	0
34	Effective adsorption and photodegradation of methyl orange by TiO ₂ -chitosan supported glass plate photocatalysis. <i>Materials Technology</i> , 2017, 32, 256-264.	3.0	20
35	Understanding the effect of synthesis parameters on the catalytic ionic liquid hydrolysis process of cellulose nanocrystals. <i>Cellulose</i> , 2017, 24, 2469-2481.	4.9	36
36	Progress on nanocrystalline cellulose biocomposites. <i>Reactive and Functional Polymers</i> , 2017, 112, 9-21.	4.1	51

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37	Mixed-phase TiO ₂ photocatalysis: correlation between phase composition and photodecomposition of water pollutants. <i>Reviews in Inorganic Chemistry</i> , 2017, 37, 11-28.	4.1	23
38	Photocatalytic activities and photoinduced fusion of gold-modified titania nanoparticle. <i>Reviews in Inorganic Chemistry</i> , 2017, 37, 95-103.	4.1	5
39	Graphene-gold based nanocomposites applications in cancer diseases; Efficient detection and therapeutic tools. <i>European Journal of Medicinal Chemistry</i> , 2017, 139, 349-366.	5.5	24
40	Room temperature synthesis of TiO ₂ supported chitosan photocatalyst: Study on physicochemical and adsorption photo-decolorization properties. <i>Materials Research Bulletin</i> , 2017, 86, 24-29.	5.2	22
41	Mo ₃ VO _x catalyst in biomass conversion: A review in structural evolution and reaction pathways. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 2116-2126.	7.1	9
42	Catalytic Conversion on Lignocellulose to Biodiesel Product. <i>Green Chemistry and Sustainable Technology</i> , 2017, , 207-229.	0.7	2
43	Graphene-Gold Nanoparticles Hybrid Synthesis, Functionalization, and Application in a Electrochemical and Surface-Enhanced Raman Scattering Biosensor. <i>Materials</i> , 2016, 9, 406.	2.9	166
44	Modified iron oxide nanomaterials: Functionalization and application. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 416, 117-133.	2.3	85
45	Identification of meat origin in food products-A review. <i>Food Control</i> , 2016, 68, 379-390.	5.5	96
46	Controlled acid catalyzed sol gel for the synthesis of highly active TiO ₂ -chitosan nanocomposite and its corresponding photocatalytic activity. <i>Environmental Science and Pollution Research</i> , 2016, 23, 23158-23168.	5.3	15
47	Synergistic effects on hydrogenated TiO ₂ for photodegradation of synthetic compounds pollutants. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 14652-14664.	7.1	23
48	Effect of hybridization on the value-added activated carbon materials. <i>International Journal of Industrial Chemistry</i> , 2016, 7, 249-264.	3.1	13
49	Incorporation of chitosan and glass substrate for improvement in adsorption, separation, and stability of TiO ₂ photodegradation. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 865-874.	3.5	10
50	Magnetite hybrid photocatalysis: advance environmental remediation. <i>Reviews in Inorganic Chemistry</i> , 2016, 36, .	4.1	24
51	Review on ZnO hybrid photocatalyst: impact on photocatalytic activities of water pollutant degradation. <i>Reviews in Inorganic Chemistry</i> , 2016, 36, .	4.1	67
52	Developments in nano-additives for paper industry. <i>Journal of Wood Science</i> , 2016, 62, 117-130.	1.9	35
53	Magnesium oxide as a heterogeneous catalyst support. <i>Reviews in Inorganic Chemistry</i> , 2016, 36, 1-41.	4.1	56
54	Application of Graphitic Bio-Carbon using Two-Level Factorial Design for Microwave-assisted Carbonization. <i>BioResources</i> , 2016, 11, .	1.0	11

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55	Incorporation of Chitosan and Glass Substrate for Improvement on Adsorption, Separation and Stability of TiO ₂ Photocatalysis. International Journal of Natural Sciences Research, 2016, 4, 6-14.	0.4	4
56	Functionalized Activated Carbon Derived from Biomass for Photocatalysis Applications Perspective. International Journal of Photoenergy, 2015, 2015, 1-30.	2.5	39
57	Effect of magnetic and thermal properties of iron oxide nanoparticles (IONs) in nitrile butadiene rubber (NBR) latex. Journal of Magnetism and Magnetic Materials, 2015, 395, 173-179.	2.3	11
58	TiO ₂ hybrid photocatalytic systems: impact of adsorption and photocatalytic performance. Reviews in Inorganic Chemistry, 2015, 35, 151-178.	4.1	24
59	Bio-nanocomposites from Natural Fibre Derivatives: Manufacturing and Properties. , 2015, , 233-265.		7
60	Graphene supported heterogeneous catalysts: An overview. International Journal of Hydrogen Energy, 2015, 40, 948-979.	7.1	412
61	Catalytic conversion of biodiesel derived raw glycerol to value added products. Renewable and Sustainable Energy Reviews, 2015, 41, 113-127.	16.4	293
62	Effects of Engineered Nanomaterials on Plants Growth: An Overview. Scientific World Journal, The, 2014, 2014, 1-28.	2.1	274
63	Titanium Dioxide as a Catalyst Support in Heterogeneous Catalysis. Scientific World Journal, The, 2014, 2014, 1-21.	2.1	262
64	Recent Advances in Heterogeneous Photocatalytic Decolorization of Synthetic Dyes. Scientific World Journal, The, 2014, 2014, 1-25.	2.1	255
65	A study on growth formation of nano-sized magnetite Fe ₃ O ₄ via co-precipitation method. Materials Research Innovations, 2014, 18, S6-457-S6-461.	2.3	9
66	Evaluation of Cross-Linked Chitosan as Filler for Thermal Properties of Chitosan-Based Biocomposites. Polymer-Plastics Technology and Engineering, 2013, 52, 806-813.	1.9	9
67	Evaluation of Cross-Linked Chitosan as Filler on Mechanical Properties of Chitosan-Based Bio-Composites. Polymer-Plastics Technology and Engineering, 2012, 51, 333-339.	1.9	7
68	Thermal properties of 4,4-oxydiphthalic anhydride chitosan filled chitosan bio-composites. Journal of Thermal Analysis and Calorimetry, 2012, 107, 365-376.	3.6	7
69	Preparation, Properties and Applications of Chitosan-Based Biocomposites/Blend Materials: A Review. Composite Interfaces, 2011, 18, 449-507.	2.3	51
70	Effects of different pH medium on swelling properties of 1,2,4,5-benzenetetracarboxylic-chitosan-filled chitosan bio-composites. Polymer Bulletin, 2011, 67, 291-320.	3.3	4
71	Mechanical properties of 1,2,4,5-benzene tetra carboxylic chitosan-filled chitosan biocomposites. Journal of Applied Polymer Science, 2011, 121, 111-126.	2.6	5
72	Preparation and characterization of 1,2,4,5-benzenetetra carboxylic-chitosan. E-Polymers, 2010, 10, .	3.0	7

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73	Influence of a Plasticizer on the Mechanical Properties of Kenaf-Filled Chitosan Bio-Composites. Polymer-Plastics Technology and Engineering, 2010, 49, 944-951.	1.9	17
74	Thermal Properties of Kenaf-Filled Chitosan Biocomposites. Polymer-Plastics Technology and Engineering, 2010, 49, 147-153.	1.9	36
75	X-Ray Diffraction Studies of Cross Linked Chitosan With Different Cross Linking Agents For Waste Water Treatment Application. AIP Conference Proceedings, 2010, , .	0.4	33
76	Degradability of kenaf dust-filled chitosan biocomposites. Materials Science and Engineering C, 2008, 28, 1100-1111.	7.3	23
77	X-Ray Powder Diffraction (XRD) Studies on Kenaf Dust Filled Chitosan Bio-composites. AIP Conference Proceedings, 2008, , .	0.4	9
78	Preparation and properties of kenaf dust-filled chitosan biocomposites. Composite Interfaces, 2008, 15, 851-866.	2.3	14
79	Chitosan: Biopolymer Products. , 0, , 1635-1647.		1
80	Biomass-Derived Activated Carbon. Advances in Environmental Engineering and Green Technologies Book Series, 0, , 162-199.	0.4	2