Mohamad Azuwa Mohamed

List of Publications by Citations

Source:
https://exaly.com/author-pdf/7976860/mohamad-azuwa-mohamed-publications-by-citations.pdf
Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59 papers	1,778 citations	26 h-index	41 g-index
65 ext. papers	2,187 ext. citations	5.7 avg, IF	5.13 L-index

#	Paper	IF	Citations
59	Constructing bio-templated 3D porous microtubular C-doped g-C3N4 with tunable band structure and enhanced charge carrier separation. *Applied Catalysis B: Environmental*, **2018**, 236, 265-279	21.8	131
58	Physicochemical characteristic of regenerated cellulose/N-doped TiO 2 nanocomposite membrane fabricated from recycled newspaper with photocatalytic activity under UV and visible light irradiation. *Chemical Engineering Journal*, **2016**, 284, 202-215	14.7	117
57	Physicochemical properties of ‘green’ nanocrystalline cellulose isolated from recycled newspaper. *RSC Advances*, **2015**, 5, 29842-29849	3.7	100
56	Hybrid membrane filtration-advanced oxidation processes for removal of pharmaceutical residue. *Journal of Colloid and Interface Science*, **2018**, 532, 236-260	9.3	98
55	An overview on cellulose-based material in tailoring bio-hybrid nanostructured photocatalysts for water treatment and renewable energy applications. *International Journal of Biological Macromolecules*, **2017**, 103, 1232-1256	7.9	95
54	Immobilization of TiO 2 into polyethersulfone matrix as hybrid film photocatalyst for effective degradation of methyl orange dye. *Materials Science in Semiconductor Processing*, **2017**, 57, 157-165	4.3	91
53	Carbon as amorphous shell and interstitial dopant in mesoporous rutile TiO2: Bio-template assisted sol-gel synthesis and photocatalytic activity. *Applied Surface Science*, **2017**, 393, 46-59	6.7	79
52	Incorporation of N-doped TiO2 nanorods in regenerated cellulose thin films fabricated from recycled newspaper as a green portable photocatalyst. *Carbohydrate Polymers*, **2015**, 133, 429-37	10.3	68
51	Preparation and performance of PVDF-based nanocomposite membrane consisting of TiO 2 nanofibers for organic pollutant decomposition in wastewater under UV irradiation. *Desalination*, **2016**, 391, 89-97	10.3	66
50	Physicochemical characterization of cellulose nanocrystal and nanoporous self-assembled CNC membrane derived from Ceiba pentandra. *Carbohydrate Polymers*, **2017**, 157, 1892-1902	10.3	65
49	Regenerated cellulose membrane as bio-template for in-situ growth of visible-light driven C-modified mesoporous titania. *Carbohydrate Polymers*, **2016**, 146, 166-73	10.3	54
48	Photocatalytic properties of two-dimensional graphene and layered transition-metal dichalcogenides based photocatalyst for photoelectrochemical hydrogen generation: An overview. *International Journal of Hydrogen Energy*, **2018**, 43, 18925-18945	6.7	53
47	Photodegradation of phenol by N-Doped TiO2 anatase/rutile nanorods assembled microsphere under UV and visible light irradiation. *Materials Chemistry and Physics*, **2015**, 162, 113-123	4.4	47
46	Revealing the role of kapok fibre as bio-template for In-situ construction of C-doped g-C3N4@C, N co-doped TiO2 core-shell heterojunction photocatalyst and its photocatalytic hydrogen production performance. *Applied Surface Science*, **2019**, 476, 205-220	6.7	46
45	In-depth understanding of core-shell nanoarchitecture evolution of g-C3N4@C, N co-doped anatase/rutile: Efficient charge separation and enhanced visible-light photocatalytic performance. *Applied Surface Science*, **2018**, 436, 302-318	6.7	45
44	Biopolymer-based electrolyte membranes from chitosan incorporated with montmorillonite-crosslinked GPTMS for direct methanol fuel cells. *RSC Advances*, **2016**, 6, 2314-2322	3.7	44
43	Bio-inspired hierarchical hetero-architectures of in-situ C-doped g-C3N4 grafted on C, N co-doped ZnO micro-flowers with booming solar photocatalytic activity. *Journal of Industrial and Engineering Chemistry*, **2019**, 77, 393-407	6.3	43

42	Development of novel thin film nanocomposite forward osmosis membranes containing halloysite/graphitic carbon nitride nanoparticles towards enhanced desalination performance. *Desalination*, **2018**, 447, 18-28	10.3	41
41	Fourier Transform Infrared (FTIR) Spectroscopy **2017**, 3-29		39
40	Photocatalytic degradation of phenol over visible light active ZnO/Ag2CO3/Ag2O nanocomposites heterojunction. *Journal of Photochemistry and Photobiology A: Chemistry*, **2018**, 364, 602-612	4.7	38
39	Feasibility of recycled newspaper as cellulose source for regenerated cellulose membrane fabrication. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	36
38	Concurrent growth, structural and photocatalytic properties of hybridized C, N co-doped TiO2 mixed phase over g-C3N4 nanostructured. *Scripta Materialia*, **2018**, 142, 143-147	5.6	34
37	Recent progress in metal-ceramic anode of solid oxide fuel cell for direct hydrocarbon fuel utilization: A review. *Fuel Processing Technology*, **2021**, 212, 106626	7.2	32
36	Structural characterization of N-doped anatase□utile mixed phase TiO2 nanorods assembled microspheres synthesized by simple sol□gel method. *Journal of Sol-Gel Science and Technology*, **2015**, 74, 513-520	2.3	30
35	Enhancement of visible light photocatalytic hydrogen evolution by bio-mimetic C-doped graphitic carbon nitride. *International Journal of Hydrogen Energy*, **2019**, 44, 13098-13105	6.7	29
34	Highly photoactive Cu2O nanowire film prepared with modified scalable synthesis method for enhanced photoelectrochemical performance. *Solar Energy Materials and Solar Cells*, **2018**, 182, 237-245	6.4	28
33	Incorporation of thermally labile additives in carbon membrane development for superior gas permeation performance. *Journal of Natural Gas Science and Engineering*, **2018**, 49, 376-384	4.6	24
32	Stability of SPEEK/Cloisite□ /TAP nanocomposite membrane under Fenton reagent condition for direct methanol fuel cell application. *Polymer Degradation and Stability*, **2017**, 137, 83-99	4.7	19
31	Enhancement in photocatalytic degradation of methylene blue by LaFeO3-GO integrated photocatalyst-adsorbents under visible light irradiation. *Korean Journal of Chemical Engineering*, **2018**, 35, 548-556	2.8	18
30	Cobalt oxide as photocatalyst for water splitting: Temperature-dependent phase structures. *International Journal of Hydrogen Energy*, **2019**, 44, 25495-25504	6.7	17
29	Mechanistic insight of the formation of visible-light responsive nanosheet graphitic carbon nitride embedded polyacrylonitrile nanofibres for wastewater treatment. *Journal of Water Process Engineering*, **2020**, 33, 101015	6.7	15
28	Membranes for hydrogen separation: a significant review. *International Journal of Advanced Manufacturing Technology*, **2020**, 107, 1859-1881	3.2	14
27	Hematite microcube decorated TiO2 nanorods as heterojunction photocatalyst with in-situ carbon doping derived from polysaccharides bio-templates hydrothermal carbonization. *Journal of Alloys and Compounds*, **2020**, 820, 153143	5.7	14
26	Recent advances on state-of-the-art copper (I/II) oxide as photoelectrode for solar green fuel generation: Challenges and mitigation strategies. *Applied Catalysis A: General*, **2019**, 582, 117104	5.1	13
25	Constructing a compact heterojunction structure of Ag2CO3/Ag2O in-situ intermediate phase transformation decorated on ZnO with superior photocatalytic degradation of ibuprofen. *Separation and Purification Technology*, **2020**, 251, 117391	8.3	13

24	Role of lithium oxide as a sintering aid for a CGO electrolyte fabricated via a phase inversion technique. *RSC Advances*, **2015**, 5, 58154-58162	3.7	11
23	Improved adsorption performance of rubber-based hydrogel: optimisation through response surface methodology, isotherm, and kinetic studies. *Journal of Sol-Gel Science and Technology*, **2020** , 94, 322-334	2.3	11
22	Enhancing the desalination performance of forward osmosis membrane through the incorporation of green nanocrystalline cellulose and halloysite dual nanofillers. *Journal of Chemical Technology and Biotechnology*, **2020**, 95, 2359-2370	3.5	11
21	The influence of PEEK as a pore former on the microstructure of brush-painted LSCF cathodes. *Journal of Solid State Electrochemistry*, **2016**, 20, 2895-2905	2.6	7
20	The Utilization of Recycled Newspaper in the Production of Cellulose Microfiber. *Advanced Materials Research*, **2016**, 1133, 644-648	0.5	5
19	Dual-layer hollow fiber MT-SOFC using lithium doped CGO electrolyte fabricated via phase-inversion technique. *Solid State Ionics*, **2017**, 304, 113-125	3.3	4
18	Features of metal oxide colloidal nanocrystal characterization **2020**, 83-122		4
17	Photocatalytic materials-based membranes for efficient water treatment **2020**, 209-230		3
16	Preparation and Photocatalytic Activity of Mixed Phase Anatase/rutile TiO2 Nanoparticles for Phenol Degradation. *Jurnal Teknologi (Sciences and Engineering)*, **2014**, 70,	1.2	3
15	BiFeO immobilized within liquid natural rubber-based hydrogel with enhanced adsorption-photocatalytic performance. *International Journal of Biological Macromolecules*, **2021**, 182, 1495-1506	7.9	3
14	Application of Self-supported Materials for Photo and Photoelectrocatalysis. *Engineering Materials*, **2020**, 57-82	0.4	2
13	Introduction to Green Polymeric Membranes **2019**, 95-116		1
12	Polymer-Based Flexible Substrates for Flexible Supercapacitors **2021**, 59-93		1
11	ELECTROSPUN NANOFIBER-COATED MEMBRANE: A REVIEW. *Jurnal Teknologi (Sciences and Engineering)*, **2016**, 78,	1.2	1
10	Surface Physicochemistry Modification and Structural Nanoarchitectures of g-C 3 N 4 for Wastewater Remediation and Solar Fuel Generation. *Advanced Materials Technologies*,2100993	6.8	1
9	Application of Nanoparticles for the Enhanced Production of Biodiesel **2021**, 465-480		0
8	Reduced graphene oxide as protective material on cuprous oxide nanowire; the challenges and proposal for improvement in photoelectrochemical application. *Surface and Coatings Technology*, **2021**, 416, 127127	4.4	0
7	Self-Healable Tires **2021**, 99-121		

6	Patents on Polysaccharide Applications **2021**, 591-606	
5	Patents on Biodiesel **2021**, 361-375	
4	Photochemical Biofuel Cells **2021**, 229-260	
3	Analytical Tools for Solar Cell **2021**, 317-344	
2	Application of Hybrid Polymeric Materials as Photocatalyst in Textile Wastewater. *Sustainable Textiles*, **2022**, 101-143	1.1
1	Application of Biorenewable-Based Photocatalytic Membranes in Wastewater Treatment. *ACS Symposium Series*,237-257	0.4