

Aminul Islam

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

122
papers

4,867
citations

41
h-index

67
g-index

130
ext. papers

6,471
ext. citations

5.9
avg, IF

6.47
L-index

#	Paper	IF	Citations
122	Sustainable toxic dyes removal with advanced materials for clean water production: A comprehensive review. <i>Journal of Cleaner Production</i> , 2022 , 332, 130039	10.3	19
121	Assessing energy diversification policy and sustainability: Bangladesh standpoints. <i>Energy Strategy Reviews</i> , 2022 , 40, 100803	9.8	2
120	Sustainable energy generation from textile biowaste and its challenges: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 157, 112051	16.2	12
119	Functional novel ligand based palladium(II) separation and recovery from e-waste using solvent-ligand approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 632, 127767	5.1	9
118	Photocatalytic Hydrogen from Water Over Semiconductors. <i>Green Energy and Technology</i> , 2022 , 175-194.	6.6	
117	In-situ operando and ex-situ study on light hydrocarbon-like-diesel and catalyst deactivation kinetic and mechanism study during deoxygenation of sludge oil. <i>Chemical Engineering Journal</i> , 2022 , 429, 132206	11.7	3
116	Selective Deoxygenation of Sludge Palm Oil into Diesel Range Fuel over Mn-Mo Supported on Activated Carbon Catalyst. <i>Catalysts</i> , 2022 , 12, 566	4	1
115	A Short Review on Catalyst, Feedstock, Modernised Process, Current State and Challenges on Biodiesel Production. <i>Catalysts</i> , 2021 , 11, 1261	4	7
114	Sustainable approach for wastewater treatment using microbial fuel cells and green energy generation [A comprehensive review]. <i>Journal of Molecular Liquids</i> , 2021 , 344, 117795	6	15
113	Towards energy sustainability: Bangladesh perspectives. <i>Energy Strategy Reviews</i> , 2021 , 38, 100738	9.8	4
112	A snapshot of coal-fired power generation in Bangladesh: A demand-supply outlook. <i>Natural Resources Forum</i> , 2021 , 45, 157-182	2.2	19
111	Novel micro-structured carbon-based adsorbents for notorious arsenic removal from wastewater. <i>Chemosphere</i> , 2021 , 272, 129653	8.4	13
110	Nonuniform language in technical writing: Detection and correction. <i>Natural Language Engineering</i> , 2021 , 27, 293-314	1.1	
109	Efficient cesium encapsulation from contaminated water by cellulosic biomass based activated wood charcoal. <i>Chemosphere</i> , 2021 , 262, 127801	8.4	54
108	Sustainable composite sensor material for optical cadmium(II) monitoring and capturing from wastewater. <i>Microchemical Journal</i> , 2021 , 161, 105800	4.8	32
107	Utilizing an alternative composite material for effective copper(II) ion capturing from wastewater. <i>Journal of Molecular Liquids</i> , 2021 , 336, 116325	6	62
106	Advances in physiochemical and biotechnological approaches for sustainable metal recovery from e-waste: A critical review. <i>Journal of Cleaner Production</i> , 2021 , 129015	10.3	9

105	Introducing the novel composite photocatalysts to boost the performance of hydrogen (H ₂) production. <i>Journal of Cleaner Production</i> , 2021 , 313, 127909	10.3	19
104	Sustainable detection and capturing of cerium(III) using ligand embedded solid-state conjugate adsorbent. <i>Journal of Molecular Liquids</i> , 2021 , 338, 116667	6	57
103	Improving valuable metal ions capturing from spent Li-ion batteries with novel materials and approaches. <i>Journal of Molecular Liquids</i> , 2021 , 338, 116703	6	15
102	Towards the robust hydrogen (H ₂) fuel production with niobium complexes-A review. <i>Journal of Cleaner Production</i> , 2021 , 318, 128439	10.3	13
101	Energy challenges for a clean environment: Bangladesh experience. <i>Energy Reports</i> , 2021 , 7, 3373-3389	4.6	21
100	Functionalized layered double hydroxides composite bio-adsorbent for efficient copper(II) ion encapsulation from wastewater. <i>Journal of Environmental Management</i> , 2021 , 300, 113782	7.9	13
99	Step towards the sustainable toxic dyes removal and recycling from aqueous solution- A comprehensive review. <i>Resources, Conservation and Recycling</i> , 2021 , 175, 105849	11.9	29
98	Recent advancements and opportunities of decorated graphitic carbon nitride toward solar fuel production and beyond. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 4457-4511	5.8	8
97	An alternative electrochemical approach for toluene detection with ZnO/MgO/CrO nanofibers on a glassy carbon electrode for environmental monitoring.. <i>RSC Advances</i> , 2020 , 10, 44641-44653	3.7	7
96	Selective detection of ascorbic acid with wet-chemically prepared CdO/SnO ₂ /V ₂ O ₅ micro-sheets by electrochemical approach. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	3
95	Photocatalysis for Organic Wastewater Treatment: From the Basis to Current Challenges for Society. <i>Catalysts</i> , 2020 , 10, 1260	4	28
94	Predicting Domain Specific Personal Attitudes and Sentiment. <i>International Journal of Semantic Computing</i> , 2020 , 14, 199-222	0.7	2
93	Ultrathin Assemblies of Porous Array for Enhanced H ₂ Evolution. <i>Scientific Reports</i> , 2020 , 10, 2324	4.9	48
92	SiO ₂ -Rich Sugar Cane Bagasse Ash Catalyst for Transesterification of Palm Oil. <i>Bioenergy Research</i> , 2020 , 13, 986-997	3.1	16
91	Optimization of an innovative composited material for effective monitoring and removal of cobalt(II) from wastewater. <i>Journal of Molecular Liquids</i> , 2020 , 298, 112035	6	126
90	Preparation of Na ₂ O supported CNTs nanocatalyst for efficient biodiesel production from waste-oil. <i>Energy Conversion and Management</i> , 2020 , 205, 112445	10.6	54
89	Naked-eye lead(II) capturing from contaminated water using innovative large-pore facial composite materials. <i>Microchemical Journal</i> , 2020 , 154, 104585	4.8	117
88	Ligand based sustainable composite material for sensitive nickel(II) capturing in aqueous media. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103591	6.8	96

87	Current treatment technologies and mechanisms for removal of indigo carmine dyes from wastewater: A review. <i>Journal of Molecular Liquids</i> , 2020 , 318, 114061	6	85
86	Assessment of clean H ₂ energy production from water using novel silicon photocatalyst. <i>Journal of Cleaner Production</i> , 2020 , 244, 118805	10.3	60
85	Advances in sustainable approaches to recover metals from e-waste-A review. <i>Journal of Cleaner Production</i> , 2020 , 244, 118815	10.3	148
84	Predicting Personal Attitudes Using Contextual Microblog Activity Logs 2020 ,		1
83	Detection of uric acid based on doped ZnO/Ag ₂ O/Co ₃ O ₄ nanoparticle loaded glassy carbon electrode. <i>New Journal of Chemistry</i> , 2019 , 43, 8651-8659	3.6	110
82	Offering an innovative composited material for effective lead(II) monitoring and removal from polluted water. <i>Journal of Cleaner Production</i> , 2019 , 231, 214-223	10.3	137
81	A Review on Thermal Conversion of Plant Oil (Edible and Inedible) into Green Fuel Using Carbon-Based Nanocatalyst. <i>Catalysts</i> , 2019 , 9, 350	4	38
80	Introducing an amine functionalized novel conjugate material for toxic nitrite detection and adsorption from wastewater. <i>Journal of Cleaner Production</i> , 2019 , 228, 778-785	10.3	133
79	Introducing an alternate conjugated material for enhanced lead(II) capturing from wastewater. <i>Journal of Cleaner Production</i> , 2019 , 224, 920-929	10.3	137
78	Improving the hydrogen production from water over MgO promoted Ni ₃ Bi/CNTs photocatalyst. <i>Journal of Cleaner Production</i> , 2019 , 238, 117887	10.3	113
77	Facile Recoverable and Reusable Macroscopic Alumina Supported Ni-based Catalyst for Efficient Hydrogen Production. <i>Scientific Reports</i> , 2019 , 9, 16358	4.9	11
76	One-step wet-chemical synthesis of ternary ZnO/CuO/Co ₃ O ₄ nanoparticles for sensitive and selective melamine sensor development. <i>New Journal of Chemistry</i> , 2019 , 43, 4849-4858	3.6	113
75	Pyro-lytic de-oxygenation of waste cooking oil for green diesel production over Ag ₂ O ₃ -La ₂ O ₃ /AC nano-catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019 , 137, 171-184	6	49
74	Efficient biodiesel production from <i>Jatropha curcus</i> using CaSO ₄ /Fe ₂ O ₃ -SiO ₂ core-shell magnetic nanoparticles. <i>Journal of Cleaner Production</i> , 2019 , 208, 816-826	10.3	151
73	Efficient detection and adsorption of cadmium(II) ions using innovative nano-composite materials. <i>Chemical Engineering Journal</i> , 2018 , 343, 118-127	14.7	290
72	Wet-chemically prepared low-dimensional ZnO/AlO/CrO nanoparticles for xanthine sensor development using an electrochemical method.. <i>RSC Advances</i> , 2018 , 8, 12562-12572	3.7	47
71	Improving text relatedness by incorporating phrase relatedness with word relatedness. <i>Computational Intelligence</i> , 2018 , 34, 939-966	2.5	1
70	Methoxy-functionalized mesostructured stable carbon catalysts for effective biodiesel production from non-edible feedstock. <i>Chemical Engineering Journal</i> , 2018 , 334, 1851-1868	14.7	32

69	Recent progress in Si hetero-junction solar cell: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 1990-2004	16.2	11
68	3,4-Diaminotoluene sensor development based on hydrothermally prepared MnCoO nanoparticles. <i>Talanta</i> , 2018 , 176, 17-25	6.2	48
67	Helpfulness Prediction of Online Product Reviews 2018 ,		9
66	In-situ Glycine Sensor Development Based ZnO/Al ₂ O ₃ /Cr ₂ O ₃ Nanoparticles. <i>ChemistrySelect</i> , 2018 , 3, 11460-11468	1.8	27
65	Evaluation of mechanical, morphological, and biodegradable properties of hybrid natural fiber polymer nanocomposites. <i>Polymer Composites</i> , 2017 , 38, 583-587	3	16
64	Bio-oil production via catalytic solvolysis of biomass. <i>RSC Advances</i> , 2017 , 7, 7820-7830	3.7	19
63	Screening of solid base catalysts on palm oil based biolubricant synthesis. <i>Journal of Cleaner Production</i> , 2017 , 148, 441-451	10.3	20
62	Fabrication of selective chemical sensor with ternary ZnO/SnO/YbO nanoparticles. <i>Talanta</i> , 2017 , 170, 215-223	6.2	65
61	Inorganic-organic based novel nano-conjugate material for effective cobalt(II) ions capturing from wastewater. <i>Chemical Engineering Journal</i> , 2017 , 324, 130-139	14.7	205
60	Effective synthesis of biodiesel from <i>Jatropha curcas</i> oil using betaine assisted nanoparticle heterogeneous catalyst from eggshell of <i>Gallus domesticus</i> . <i>Renewable Energy</i> , 2017 , 111, 892-905	8.1	31
59	Ethanol sensor development based on ternary-doped metal oxides (CdO/ZnO/Yb ₂ O ₃) nanosheets for environmental safety. <i>RSC Advances</i> , 2017 , 7, 22627-22639	3.7	66
58	Extraction and Characterization of γ -Alumina from Waste Aluminium Dross. <i>Waste and Biomass Valorization</i> , 2017 , 8, 321-327	3.2	25
57	Biodiesel Production with Green Technologies 2017 ,		4
56	Development of Millimetric Particle for Biodiesel Production 2017 , 65-97		1
55	Production of Biodiesel Using Spherical Millimetric Catalyst 2017 , 99-115		
54	Transesterification activity and characterization of natural CaO derived from waste venus clam (<i>Tapes belcheri</i> S.) material for enhancement of biodiesel production. <i>Chemical Engineering Research and Design</i> , 2017 , 105, 303-315	5.5	50
53	Binary metal-doped methoxide catalyst for biodiesel production from palm stearin. <i>Research on Chemical Intermediates</i> , 2016 , 42, 1943-1963	2.8	0
52	Glycerolysis of palm fatty acid distillate for biodiesel feedstock under different reactor conditions. <i>Fuel</i> , 2016 , 174, 133-139	7.1	17

51	Calcium alginate hydrogel beads with high stiffness and extended dissolution behaviour. <i>European Polymer Journal</i> , 2016 , 75, 343-353	5.2	44
50	High Coke-Resistance Pt/Mg _{1-x} Ni _x O Catalyst for Dry Reforming of Methane. <i>PLoS ONE</i> , 2016 , 11, e0145362	3.62	18
49	f: Phrase Relatedness Function Using Overlapping Bi-gram Context. <i>Lecture Notes in Computer Science</i> , 2016 , 137-149	0.9	0
48	Algae derived biodiesel using nanocatalytic transesterification process. <i>Chemical Engineering Research and Design</i> , 2016 , 111, 362-370	5.5	82
47	Synthesis of structured carbon nanorods for efficient hydrogen storage. <i>Materials Letters</i> , 2016 , 179, 57-60	3.3	21
46	Biodiesel from low cost palm stearin using metal doped methoxide solid catalyst. <i>Industrial Crops and Products</i> , 2015 , 76, 281-289	5.9	34
45	Scheduling the blended solution as industrial CO ₂ absorber in separation process by back-propagation artificial neural networks. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 150, 892-901	4.4	5
44	Biodiesel synthesis over millimetric γ -Al ₂ O ₃ /KI catalyst. <i>Energy</i> , 2015 , 89, 965-973	7.9	61
43	Modeling of photodegradation process to remove the higher concentration of environmental pollution. <i>Desalination and Water Treatment</i> , 2015 , 1-11		
42	Sucrose-derived catalytic biodiesel synthesis from low cost palm fatty acid distillate. <i>Chemical Engineering Research and Design</i> , 2015 , 95, 126-135	5.5	21
41	Screening of modified CaO-based catalysts with a series of dopants for the supercritical water gasification of empty palm fruit bunches to produce hydrogen. <i>RSC Advances</i> , 2015 , 5, 36798-36808	3.7	17
40	Production of ultra-high concentration calcium alginate beads with prolonged dissolution profile. <i>RSC Advances</i> , 2015 , 5, 36687-36695	3.7	66
39	Efficient Computation of Co-occurrence Based Word Relatedness 2015 ,		1
38	Rheological behavior of coir-fiber-filled polypropylene composites at constant shear stress. <i>Polymer Composites</i> , 2015 , 36, 51-61	3	5
37	Seeded Growth Route to Noble Calcium Carbonate Nanocrystal. <i>PLoS ONE</i> , 2015 , 10, e0144805	3.7	6
36	Biodiesel synthesis from photoautotrophic cultivated oleaginous microalgae using a sand dollar catalyst. <i>RSC Advances</i> , 2015 , 5, 47140-47152	3.7	23
35	Hydrothermal effect on synthesis, characterization and catalytic properties of calcium methoxide for biodiesel production from crude <i>Jatropha curcas</i> . <i>RSC Advances</i> , 2015 , 5, 4266-4276	3.7	47
34	Similarity-Based Support for Text Reuse in Technical Writing 2015 ,		6

33	TrWP: Text Relatedness using Word and Phrase Relatedness 2015 ,		2
32	Do Important Words in Bag-of-Words Model of Text Relatedness Help?. <i>Lecture Notes in Computer Science</i> , 2015 , 569-577	0.9	
31	When was Macbeth Written? Mapping Book to Time. <i>Lecture Notes in Computer Science</i> , 2015 , 73-84	0.9	1
30	Energy security in Bangladesh perspective—An assessment and implication. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 32, 154-171	16.2	43
29	Transesterification of <i>Jatropha curcas</i> crude oil to biodiesel on calcium lanthanum mixed oxide catalyst: Effect of stoichiometric composition. <i>Energy Conversion and Management</i> , 2014 , 88, 1290-1296	10.6	114
28	Production of biodiesel from palm oil using modified Malaysian natural dolomites. <i>Energy Conversion and Management</i> , 2014 , 78, 738-744	10.6	78
27	Transesterification of <i>Nannochloropsis oculata</i> microalga's oil to biodiesel using calcium methoxide catalyst. <i>Energy</i> , 2014 , 78, 63-71	7.9	61
26	Studies on the rheological properties of aluminium oxihydroxide (boehmite) colloidal suspension. <i>Ceramics International</i> , 2014 , 40, 3779-3783	5.1	10
25	Advances in solid-catalytic and non-catalytic technologies for biodiesel production. <i>Energy Conversion and Management</i> , 2014 , 88, 1200-1218	10.6	80
24	Study on Emission and Performance of Diesel Engine Using Castor Biodiesel. <i>Journal of Chemistry</i> , 2014 , 2014, 1-8	2.3	35
23	Enhancing the sorption performance of surfactant-assisted CaO nanoparticles. <i>RSC Advances</i> , 2014 , 4, 65127-65136	3.7	25
22	Production of biodiesel from non-edible <i>Jatropha curcas</i> oil via transesterification using Bi ₂ O ₃ /Al ₂ O ₃ catalyst. <i>Energy Conversion and Management</i> , 2014 , 88, 1257-1262	10.6	96
21	How Document Properties Affect Document Relatedness Measures. <i>Lecture Notes in Computer Science</i> , 2014 , 392-403	0.9	
20	Optimal design of an activated sludge plant: theoretical analysis. <i>Applied Water Science</i> , 2013 , 3, 375-386		7
19	Transesterification of palm oil using KF and NaNO ₃ catalysts supported on spherical millimetric Al ₂ O ₃ . <i>Renewable Energy</i> , 2013 , 59, 23-29	8.1	54
18	Development of a procedure for spherical alginate-boehmite particle preparation. <i>Advanced Powder Technology</i> , 2013 , 24, 1119-1125	4.6	16
17	Studies on design of heterogeneous catalysts for biodiesel production. <i>Chemical Engineering Research and Design</i> , 2013 , 91, 131-144	5.5	123
16	Production of biodiesel from mixed waste vegetable oils using Ferric hydrogen sulphate as an effective reusable heterogeneous solid acid catalyst. <i>Applied Catalysis A: General</i> , 2013 , 456, 182-187	5.1	67

15	A novel catalytic method for the synthesis of spherical aragonite nanoparticles from cockle shells. <i>Powder Technology</i> , 2013 , 246, 434-440	5.2	30
14	Activated Carbon from Various Agricultural Wastes by Chemical Activation with KOH: Preparation and Characterization. <i>Journal of Biobased Materials and Bioenergy</i> , 2013 , 7, 708-714	1.4	41
13	Using Google n-Grams to Expand Word-Emotion Association Lexicon. <i>Lecture Notes in Computer Science</i> , 2013 , 137-148	0.9	4
12	The effect of low air-to-liquid mass flow rate ratios on the size, size distribution and shape of calcium alginate particles produced using the atomization method. <i>Journal of Food Engineering</i> , 2012 , 108, 297-303	6	26
11	Synthesis and characterization of millimetric gamma alumina spherical particles by oil drop granulation method. <i>Journal of Porous Materials</i> , 2012 , 19, 807-817	2.4	30
10	Text Similarity Using Google Tri-grams. <i>Lecture Notes in Computer Science</i> , 2012 , 312-317	0.9	22
9	Correcting Different Types of Errors in Texts. <i>Lecture Notes in Computer Science</i> , 2011 , 192-203	0.9	1
8	Rheology and Gelling Behavior of Boehmite Sols. <i>Journal of Applied Sciences</i> , 2011 , 11, 2327-2333	0.3	3
7	An unsupervised approach to preposition error correction 2010 ,		2
6	Real-word spelling correction using Google web 1Tn-gram data set 2009 ,		12
5	Managing the Google Web 1T 5-gram data set 2009 ,		2
4	Real-word spelling correction using Google Web 1T n-gram with backoff 2009 ,		11
3	Semantic text similarity using corpus-based word similarity and string similarity. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2008 , 2, 1-25	4	198
2	Applications of corpus-based semantic similarity and word segmentation to database schema matching. <i>VLDB Journal</i> , 2008 , 17, 1293-1320	3.9	7
1	Using Various Indexing Schemes and Multiple Translations in the CL-SR Task at CLEF 2005. <i>Lecture Notes in Computer Science</i> , 2006 , 760-768	0.9	4