

# Aminul Islam

## List of Publications by Citations

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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	Efficient detection and adsorption of cadmium(II) ions using innovative nano-composite materials. <i>Chemical Engineering Journal</i> , <b>2018</b> , 343, 118-127	14.7	290
121	Inorganic-organic based novel nano-conjugate material for effective cobalt(II) ions capturing from wastewater. <i>Chemical Engineering Journal</i> , <b>2017</b> , 324, 130-139	14.7	205
120	Semantic text similarity using corpus-based word similarity and string similarity. <i>ACM Transactions on Knowledge Discovery From Data</i> , <b>2008</b> , 2, 1-25	4	198
119	Efficient biodiesel production from <i>Jatropha curcus</i> using CaSO <sub>4</sub> /Fe <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> core-shell magnetic nanoparticles. <i>Journal of Cleaner Production</i> , <b>2019</b> , 208, 816-826	10.3	151
118	Advances in sustainable approaches to recover metals from e-waste-A review. <i>Journal of Cleaner Production</i> , <b>2020</b> , 244, 118815	10.3	148
117	Offering an innovative composited material for effective lead(II) monitoring and removal from polluted water. <i>Journal of Cleaner Production</i> , <b>2019</b> , 231, 214-223	10.3	137
116	Introducing an alternate conjugated material for enhanced lead(II) capturing from wastewater. <i>Journal of Cleaner Production</i> , <b>2019</b> , 224, 920-929	10.3	137
115	Introducing an amine functionalized novel conjugate material for toxic nitrite detection and adsorption from wastewater. <i>Journal of Cleaner Production</i> , <b>2019</b> , 228, 778-785	10.3	133
114	Optimization of an innovative composited material for effective monitoring and removal of cobalt(II) from wastewater. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 298, 112035	6	126
113	Studies on design of heterogeneous catalysts for biodiesel production. <i>Chemical Engineering Research and Design</i> , <b>2013</b> , 91, 131-144	5.5	123
112	Naked-eye lead(II) capturing from contaminated water using innovative large-pore facial composite materials. <i>Microchemical Journal</i> , <b>2020</b> , 154, 104585	4.8	117
111	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> , <b>2014</b> , 88, 1290-1296	10.6	114
110	Improving the hydrogen production from water over MgO promoted NiBi/CNTs photocatalyst. <i>Journal of Cleaner Production</i> , <b>2019</b> , 238, 117887	10.3	113
109	One-step wet-chemical synthesis of ternary ZnO/CuO/Co <sub>3</sub> O <sub>4</sub> nanoparticles for sensitive and selective melamine sensor development. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 4849-4858	3.6	113
108	Detection of uric acid based on doped ZnO/Ag <sub>2</sub> O/Co <sub>3</sub> O <sub>4</sub> nanoparticle loaded glassy carbon electrode. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 8651-8659	3.6	110
107	Production of biodiesel from non-edible <i>Jatropha curcas</i> oil via transesterification using Bi <sub>2</sub> O <sub>3</sub> catalyst. <i>Energy Conversion and Management</i> , <b>2014</b> , 88, 1257-1262	10.6	96
106	Ligand based sustainable composite material for sensitive nickel(II) capturing in aqueous media. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103591	6.8	96

105	Current treatment technologies and mechanisms for removal of indigo carmine dyes from wastewater: A review. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 318, 114061	6	85
104	Algae derived biodiesel using nanocatalytic transesterification process. <i>Chemical Engineering Research and Design</i> , <b>2016</b> , 111, 362-370	5.5	82
103	Advances in solid-catalytic and non-catalytic technologies for biodiesel production. <i>Energy Conversion and Management</i> , <b>2014</b> , 88, 1200-1218	10.6	80
102	Production of biodiesel from palm oil using modified Malaysian natural dolomites. <i>Energy Conversion and Management</i> , <b>2014</b> , 78, 738-744	10.6	78
101	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> , <b>2013</b> , 456, 182-187	5.1	67
100	Ethanol sensor development based on ternary-doped metal oxides (CdO/ZnO/Yb <sub>2</sub> O <sub>3</sub> ) nanosheets for environmental safety. <i>RSC Advances</i> , <b>2017</b> , 7, 22627-22639	3.7	66
99	Production of ultra-high concentration calcium alginate beads with prolonged dissolution profile. <i>RSC Advances</i> , <b>2015</b> , 5, 36687-36695	3.7	66
98	Fabrication of selective chemical sensor with ternary ZnO/SnO/YbO nanoparticles. <i>Talanta</i> , <b>2017</b> , 170, 215-223	6.2	65
97	Utilizing an alternative composite material for effective copper(II) ion capturing from wastewater. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 336, 116325	6	62
96	Biodiesel synthesis over millimetric $\gamma$ -Al <sub>2</sub> O <sub>3</sub> /KI catalyst. <i>Energy</i> , <b>2015</b> , 89, 965-973	7.9	61
95	Transesterification of Nannochloropsis oculata microalga's oil to biodiesel using calcium methoxide catalyst. <i>Energy</i> , <b>2014</b> , 78, 63-71	7.9	61
94	Assessment of clean H <sub>2</sub> energy production from water using novel silicon photocatalyst. <i>Journal of Cleaner Production</i> , <b>2020</b> , 244, 118805	10.3	60
93	Sustainable detection and capturing of cerium(III) using ligand embedded solid-state conjugate adsorbent. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 338, 116667	6	57
92	Transesterification of palm oil using KF and NaNO <sub>3</sub> catalysts supported on spherical millimetric $\gamma$ -Al <sub>2</sub> O <sub>3</sub> . <i>Renewable Energy</i> , <b>2013</b> , 59, 23-29	8.1	54
91	Preparation of Na <sub>2</sub> O supported CNTs nanocatalyst for efficient biodiesel production from waste-oil. <i>Energy Conversion and Management</i> , <b>2020</b> , 205, 112445	10.6	54
90	Efficient cesium encapsulation from contaminated water by cellulosic biomass based activated wood charcoal. <i>Chemosphere</i> , <b>2021</b> , 262, 127801	8.4	54
89	Transesterification activity and characterization of natural CaO derived from waste venus clam (Tapes belcheri S.) material for enhancement of biodiesel production. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 105, 303-315	5.5	50
88	Pyro-lytic de-oxygenation of waste cooking oil for green diesel production over Ag <sub>2</sub> O <sub>3</sub> -La <sub>2</sub> O <sub>3</sub> /AC nano-catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2019</b> , 137, 171-184	6	49

87	Ultrathin Assembles of Porous Array for Enhanced H Evolution. <i>Scientific Reports</i> , <b>2020</b> , 10, 2324	4.9	48
86	3,4-Diaminotoluene sensor development based on hydrothermally prepared MnCoO nanoparticles. <i>Talanta</i> , <b>2018</b> , 176, 17-25	6.2	48
85	Wet-chemically prepared low-dimensional ZnO/AlO/CrO nanoparticles for xanthine sensor development using an electrochemical method.. <i>RSC Advances</i> , <b>2018</b> , 8, 12562-12572	3.7	47
84	Hydrothermal effect on synthesis, characterization and catalytic properties of calcium methoxide for biodiesel production from crude <i>Jatropha curcas</i> . <i>RSC Advances</i> , <b>2015</b> , 5, 4266-4276	3.7	47
83	Calcium alginate hydrogel beads with high stiffness and extended dissolution behaviour. <i>European Polymer Journal</i> , <b>2016</b> , 75, 343-353	5.2	44
82	Energy security in Bangladesh perspectiveAn assessment and implication. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 32, 154-171	16.2	43
81	Activated Carbon from Various Agricultural Wastes by Chemical Activation with KOH: Preparation and Characterization. <i>Journal of Biobased Materials and Bioenergy</i> , <b>2013</b> , 7, 708-714	1.4	41
80	A Review on Thermal Conversion of Plant Oil (Edible and Inedible) into Green Fuel Using Carbon-Based Nanocatalyst. <i>Catalysts</i> , <b>2019</b> , 9, 350	4	38
79	Study on Emission and Performance of Diesel Engine Using Castor Biodiesel. <i>Journal of Chemistry</i> , <b>2014</b> , 2014, 1-8	2.3	35
78	Biodiesel from low cost palm stearin using metal doped methoxide solid catalyst. <i>Industrial Crops and Products</i> , <b>2015</b> , 76, 281-289	5.9	34
77	Methoxy-functionalized mesostructured stable carbon catalysts for effective biodiesel production from non-edible feedstock. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 1851-1868	14.7	32
76	Sustainable composite sensor material for optical cadmium(II) monitoring and capturing from wastewater. <i>Microchemical Journal</i> , <b>2021</b> , 161, 105800	4.8	32
75	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> , <b>2017</b> , 111, 892-905	8.1	31
74	Synthesis and characterization of millimetric gamma alumina spherical particles by oil drop granulation method. <i>Journal of Porous Materials</i> , <b>2012</b> , 19, 807-817	2.4	30
73	A novel catalytic method for the synthesis of spherical aragonite nanoparticles from cockle shells. <i>Powder Technology</i> , <b>2013</b> , 246, 434-440	5.2	30
72	Step towards the sustainable toxic dyes removal and recycling from aqueous solution- A comprehensive review. <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 175, 105849	11.9	29
71	Photocatalysis for Organic Wastewater Treatment: From the Basis to Current Challenges for Society. <i>Catalysts</i> , <b>2020</b> , 10, 1260	4	28
70	In-situ Glycine Sensor Development Based ZnO/Al <sub>2</sub> O <sub>3</sub> /Cr <sub>2</sub> O <sub>3</sub> Nanoparticles. <i>ChemistrySelect</i> , <b>2018</b> , 3, 11460-11468	1.8	27

69	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> , <b>2012</b> , 108, 297-303	6	26
68	Extraction and Characterization of $\gamma$ -Alumina from Waste Aluminium Dross. <i>Waste and Biomass Valorization</i> , <b>2017</b> , 8, 321-327	3.2	25
67	Enhancing the sorption performance of surfactant-assisted CaO nanoparticles. <i>RSC Advances</i> , <b>2014</b> , 4, 65127-65136	3.7	25
66	Biodiesel synthesis from photoautotrophic cultivated oleaginous microalgae using a sand dollar catalyst. <i>RSC Advances</i> , <b>2015</b> , 5, 47140-47152	3.7	23
65	Text Similarity Using Google Tri-grams. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 312-317	0.9	22
64	Sucrose-derived catalytic biodiesel synthesis from low cost palm fatty acid distillate. <i>Chemical Engineering Research and Design</i> , <b>2015</b> , 95, 126-135	5.5	21
63	Synthesis of structured carbon nanorods for efficient hydrogen storage. <i>Materials Letters</i> , <b>2016</b> , 179, 57-60	3.3	21
62	Energy challenges for a clean environment: Bangladesh's experience. <i>Energy Reports</i> , <b>2021</b> , 7, 3373-3389	4.6	21
61	Screening of solid base catalysts on palm oil based biolubricant synthesis. <i>Journal of Cleaner Production</i> , <b>2017</b> , 148, 441-451	10.3	20
60	Bio-oil production via catalytic solvolysis of biomass. <i>RSC Advances</i> , <b>2017</b> , 7, 7820-7830	3.7	19
59	Sustainable toxic dyes removal with advanced materials for clean water production: A comprehensive review. <i>Journal of Cleaner Production</i> , <b>2022</b> , 332, 130039	10.3	19
58	A snapshot of coal-fired power generation in Bangladesh: A demand-supply outlook. <i>Natural Resources Forum</i> , <b>2021</b> , 45, 157-182	2.2	19
57	Introducing the novel composite photocatalysts to boost the performance of hydrogen (H <sub>2</sub> ) production. <i>Journal of Cleaner Production</i> , <b>2021</b> , 313, 127909	10.3	19
56	High Coke-Resistance Pt/Mg <sub>1-x</sub> Ni <sub>x</sub> O Catalyst for Dry Reforming of Methane. <i>PLoS ONE</i> , <b>2016</b> , 11, e0145862	3.7	18
55	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> , <b>2015</b> , 5, 36798-36808	3.7	17
54	Glycerolysis of palm fatty acid distillate for biodiesel feedstock under different reactor conditions. <i>Fuel</i> , <b>2016</b> , 174, 133-139	7.1	17
53	Evaluation of mechanical, morphological, and biodegradable properties of hybrid natural fiber polymer nanocomposites. <i>Polymer Composites</i> , <b>2017</b> , 38, 583-587	3	16
52	SiO <sub>2</sub> -Rich Sugar Cane Bagasse Ash Catalyst for Transesterification of Palm Oil. <i>Bioenergy Research</i> , <b>2020</b> , 13, 986-997	3.1	16

51	Development of a procedure for spherical alginat Boehmite particle preparation. <i>Advanced Powder Technology</i> , <b>2013</b> , 24, 1119-1125	4.6	16
50	Sustainable approach for wastewater treatment using microbial fuel cells and green energy generation [A comprehensive review. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 344, 117795	6	15
49	Improving valuable metal ions capturing from spent Li-ion batteries with novel materials and approaches. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 338, 116703	6	15
48	Novel micro-structured carbon-based adsorbents for notorious arsenic removal from wastewater. <i>Chemosphere</i> , <b>2021</b> , 272, 129653	8.4	13
47	Towards the robust hydrogen (H <sub>2</sub> ) fuel production with niobium complexes-A review. <i>Journal of Cleaner Production</i> , <b>2021</b> , 318, 128439	10.3	13
46	Functionalized layered double hydroxides composite bio-adsorbent for efficient copper(II) ion encapsulation from wastewater. <i>Journal of Environmental Management</i> , <b>2021</b> , 300, 113782	7.9	13
45	Real-word spelling correction using Google web 1Tn-gram data set <b>2009</b> ,		12
44	Sustainable energy generation from textile biowaste and its challenges: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 157, 112051	16.2	12
43	Recent progress in Si hetero-junction solar cell: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 82, 1990-2004	16.2	11
42	Facile Recoverable and Reusable Macroscopic Alumina Supported Ni-based Catalyst for Efficient Hydrogen Production. <i>Scientific Reports</i> , <b>2019</b> , 9, 16358	4.9	11
41	Real-word spelling correction using Google Web 1T n-gram with backoff <b>2009</b> ,		11
40	Studies on the rheological properties of aluminium oxihydroxide (boehmite) colloidal suspension. <i>Ceramics International</i> , <b>2014</b> , 40, 3779-3783	5.1	10
39	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> , <b>2022</b> , 632, 127767	5.1	9
38	Helpfulness Prediction of Online Product Reviews <b>2018</b> ,		9
37	Advances in physiochemical and biotechnological approaches for sustainable metal recovery from e-waste: A critical review. <i>Journal of Cleaner Production</i> , <b>2021</b> , 129015	10.3	9
36	Recent advancements and opportunities of decorated graphitic carbon nitride toward solar fuel production and beyond. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 4457-4511	5.8	8
35	An alternative electrochemical approach for toluene detection with ZnO/MgO/CrO nanofibers on a glassy carbon electrode for environmental monitoring.. <i>RSC Advances</i> , <b>2020</b> , 10, 44641-44653	3.7	7
34	Optimal design of an activated sludge plant: theoretical analysis. <i>Applied Water Science</i> , <b>2013</b> , 3, 375-386		7

33	Applications of corpus-based semantic similarity and word segmentation to database schema matching. <i>VLDB Journal</i> , <b>2008</b> , 17, 1293-1320	3.9	7
32	A Short Review on Catalyst, Feedstock, Modernised Process, Current State and Challenges on Biodiesel Production. <i>Catalysts</i> , <b>2021</b> , 11, 1261	4	7
31	Seeded Growth Route to Noble Calcium Carbonate Nanocrystal. <i>PLoS ONE</i> , <b>2015</b> , 10, e0144805	3.7	6
30	Similarity-Based Support for Text Reuse in Technical Writing <b>2015</b> ,		6
29	Scheduling the blended solution as industrial CO2 absorber in separation process by back-propagation artificial neural networks. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 150, 892-901	4.4	5
28	Rheological behavior of coir-fiber-filled polypropylene composites at constant shear stress. <i>Polymer Composites</i> , <b>2015</b> , 36, 51-61	3	5
27	Biodiesel Production with Green Technologies <b>2017</b> ,		4
26	Using Various Indexing Schemes and Multiple Translations in the CL-SR Task at CLEF 2005. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 760-768	0.9	4
25	Towards energy sustainability: Bangladesh perspectives. <i>Energy Strategy Reviews</i> , <b>2021</b> , 38, 100738	9.8	4
24	Using Google n-Grams to Expand Word-Emotion Association Lexicon. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 137-148	0.9	4
23	Selective detection of ascorbic acid with wet-chemically prepared CdO/SnO2/V2O5 micro-sheets by electrochemical approach. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	3
22	Rheology and Gelling Behavior of Boehmite Sols. <i>Journal of Applied Sciences</i> , <b>2011</b> , 11, 2327-2333	0.3	3
21	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> , <b>2022</b> , 429, 132206	14.7	3
20	Predicting Domain Specific Personal Attitudes and Sentiment. <i>International Journal of Semantic Computing</i> , <b>2020</b> , 14, 199-222	0.7	2
19	An unsupervised approach to preposition error correction <b>2010</b> ,		2
18	Managing the Google Web 1T 5-gram data set <b>2009</b> ,		2
17	Assessing energy diversification policy and sustainability: Bangladesh standpoints. <i>Energy Strategy Reviews</i> , <b>2022</b> , 40, 100803	9.8	2
16	TrWP: Text Relatedness using Word and Phrase Relatedness <b>2015</b> ,		2

15	Efficient Computation of Co-occurrence Based Word Relatedness <b>2015</b> ,		1
14	Improving text relatedness by incorporating phrase relatedness with word relatedness. <i>Computational Intelligence</i> , <b>2018</b> , 34, 939-966	2.5	1
13	Development of Millimetric Particle for Biodiesel Production <b>2017</b> , 65-97		1
12	Correcting Different Types of Errors in Texts. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 192-203	0.9	1
11	When was Macbeth Written? Mapping Book to Time. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 73-84	0.9	1
10	Predicting Personal Attitudes Using Contextual Microblog Activity Logs <b>2020</b> ,		1
9	Selective Deoxygenation of Sludge Palm Oil into Diesel Range Fuel over Mn-Mo Supported on Activated Carbon Catalyst. <i>Catalysts</i> , <b>2022</b> , 12, 566	4	1
8	Binary metal-doped methoxide catalyst for biodiesel production from palm stearin. <i>Research on Chemical Intermediates</i> , <b>2016</b> , 42, 1943-1963	2.8	0
7	f: Phrase Relatedness Function Using Overlapping Bi-gram Context. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 137-149	0.9	0
6	Modeling of photodegradation process to remove the higher concentration of environmental pollution. <i>Desalination and Water Treatment</i> , <b>2015</b> , 1-11		
5	Production of Biodiesel Using Spherical Millimetric Catalyst <b>2017</b> , 99-115		
4	Do Important Words in Bag-of-Words Model of Text Relatedness Help?. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 569-577	0.9	
3	How Document Properties Affect Document Relatedness Measures. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 392-403	0.9	
2	Nonuniform language in technical writing: Detection and correction. <i>Natural Language Engineering</i> , <b>2021</b> , 27, 293-314	1.1	
1	Photocatalytic Hydrogen from Water Over Semiconductors. <i>Green Energy and Technology</i> , <b>2022</b> , 175-194	0.6	