Aminul Islam

List of Publications by Year
in descending order

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127	8,192	34016	48187
papers	citations	52 h-index	88 g-index

130	130	130	5107
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photocatalytic Hydrogen from Water Over Semiconductors. Green Energy and Technology, 2022, , 175-194.	0.4	0
2	In-situ operando and ex-situ study on light hydrocarbon-like-diesel and catalyst deactivation kinetic and mechanism study during deoxygenation of sludge oil. Chemical Engineering Journal, 2022, 429, 132206.	6.6	14
3	Functional novel ligand based palladium(II) separation and recovery from e-waste using solvent-ligand approach. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 632, 127767.	2.3	29
4	Sustainable toxic dyes removal with advanced materials for clean water production: A comprehensive review. Journal of Cleaner Production, 2022, 332, 130039.	4.6	159
5	Assessing energy diversification policy and sustainability: Bangladesh standpoints. Energy Strategy Reviews, 2022, 40, 100803.	3.3	12
6	Sustainable energy generation from textile biowaste and its challenges: A comprehensive review. Renewable and Sustainable Energy Reviews, 2022, 157, 112051.	8.2	64
7	Selective Deoxygenation of Sludge Palm Oil into Diesel Range Fuel over Mn-Mo Supported on Activated Carbon Catalyst. Catalysts, 2022, 12, 566.	1.6	4
8	Nonuniform language in technical writing: Detection and correction. Natural Language Engineering, 2021, 27, 293-314.	2.1	1
9	Efficient cesium encapsulation from contaminated water by cellulosic biomass based activated wood charcoal. Chemosphere, 2021, 262, 127801.	4.2	169
10	Sustainable composite sensor material for optical cadmium(II) monitoring and capturing from wastewater. Microchemical Journal, 2021, 161, 105800.	2.3	123
11	A snapshot of <scp>coalâ€fired</scp> power generation in <scp>Bangladesh</scp>: A <scp>demandâ€“supply</scp> outlook. Natural Resources Forum, 2021, 45, 157-182.	1.8	43
12	Novel micro-structured carbon-based adsorbents for notorious arsenic removal from wastewater. Chemosphere, 2021, 272, 129653.	4.2	51
13	Utilizing an alternative composite material for effective copper(II) ion capturing from wastewater. Journal of Molecular Liquids, 2021, 336, 116325.	2.3	177
14	Advances in physiochemical and biotechnological approaches for sustainable metal recovery from e-waste: A critical review. Journal of Cleaner Production, 2021, 323, 129015.	4.6	50
15	Introducing the novel composite photocatalysts to boost the performance of hydrogen (H2) production. Journal of Cleaner Production, 2021, 313, 127909.	4.6	57
16	Sustainable detection and capturing of cerium(III) using ligand embedded solid-state conjugate adsorbent. Journal of Molecular Liquids, 2021, 338, 116667.	2.3	179
17	Improving valuable metal ions capturing from spent Li-ion batteries with novel materials and approaches. Journal of Molecular Liquids, 2021, 338, 116703.	2.3	50
18	Towards the robust hydrogen (H2) fuel production with niobium complexes-A review. Journal of Cleaner Production, 2021, 318, 128439.	4.6	50

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19	Energy challenges for a clean environment: Bangladeshâ€™s experience. Energy Reports, 2021, 7, 3373-3389.	2.5	51
20	Functionalized layered double hydroxides composite bio-adsorbent for efficient copper(II) ion encapsulation from wastewater. Journal of Environmental Management, 2021, 300, 113782.	3.8	57
21	Step towards the sustainable toxic dyes removal and recycling from aqueous solution- A comprehensive review. Resources, Conservation and Recycling, 2021, 175, 105849.	5.3	152
22	Recent advancements and opportunities of decorated graphitic carbon nitride toward solar fuel production and beyond. Sustainable Energy and Fuels, 2021, 5, 4457-4511.	2.5	25
23	A Short Review on Catalyst, Feedstock, Modernised Process, Current State and Challenges on Biodiesel Production. Catalysts, 2021, 11, 1261.	1.6	28
24	Sustainable approach for wastewater treatment using microbial fuel cells and green energy generation â€“ A comprehensive review. Journal of Molecular Liquids, 2021, 344, 117795.	2.3	65
25	Towards energy sustainability: Bangladesh perspectives. Energy Strategy Reviews, 2021, 38, 100738.	3.3	25
26	Assessment of clean H2 energy production from water using novel silicon photocatalyst. Journal of Cleaner Production, 2020, 244, 118805.	4.6	148
27	Advances in sustainable approaches to recover metals from e-waste-A review. Journal of Cleaner Production, 2020, 244, 118815.	4.6	290
28	Optimization of an innovative composited material for effective monitoring and removal of cobalt(II) from wastewater. Journal of Molecular Liquids, 2020, 298, 112035.	2.3	194
29	Preparation of Na2O supported CNTs nanocatalyst for efficient biodiesel production from waste-oil. Energy Conversion and Management, 2020, 205, 112445.	4.4	86
30	Naked-eye lead(II) capturing from contaminated water using innovative large-pore facial composite materials. Microchemical Journal, 2020, 154, 104585.	2.3	195
31	Ligand based sustainable composite material for sensitive nickel(II) capturing in aqueous media. Journal of Environmental Chemical Engineering, 2020, 8, 103591.	3.3	161
32	Current treatment technologies and mechanisms for removal of indigo carmine dyes from wastewater: A review. Journal of Molecular Liquids, 2020, 318, 114061.	2.3	210
33	An alternative electrochemical approach for toluene detection with ZnO/MgO/Cr₂O₃ nanofibers on a glassy carbon electrode for environmental monitoring. RSC Advances, 2020, 10, 44641-44653.	1.7	10
34	Selective detection of ascorbic acid with wet-chemically prepared CdO/SnO2/V2O5 micro-sheets by electrochemical approach. SN Applied Sciences, 2020, 2, 1.	1.5	9
35	Photocatalysis for Organic Wastewater Treatment: From the Basis to Current Challenges for Society. Catalysts, 2020, 10, 1260.	1.6	82
36	Predicting Domain Specific Personal Attitudes and Sentiment. International Journal of Semantic Computing, 2020, 14, 199-222.	0.4	2

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37	Ultrathin Assembles of Porous Array for Enhanced H2 Evolution. Scientific Reports, 2020, 10, 2324.	1.6	75
38	SiO2-Rich Sugar Cane Bagasse Ash Catalyst for Transesterification of Palm Oil. Bioenergy Research, 2020, 13, 986-997.	2.2	29
39	Predicting Personal Attitudes Using Contextual Microblog Activity Logs. , 2020, , .		2
40	Improving the hydrogen production from water over MgO promoted Niâ€“Si/CNTs photocatalyst. Journal of Cleaner Production, 2019, 238, 117887.	4.6	158
41	Facile Recoverable and Reusable Macroscopic Alumina Supported Ni-based Catalyst for Efficient Hydrogen Production. Scientific Reports, 2019, 9, 16358.	1.6	16
42	Detection of uric acid based on doped ZnO/Ag₂O/Co₃O₄nanoparticle loaded glassy carbon electrode. New Journal of Chemistry, 2019, 43, 8651-8659.	1.4	148
43	Offering an innovative composited material for effective lead(II) monitoring and removal from polluted water. Journal of Cleaner Production, 2019, 231, 214-223.	4.6	231
44	A Review on Thermal Conversion of Plant Oil (Edible and Inedible) into Green Fuel Using Carbon-Based Nanocatalyst. Catalysts, 2019, 9, 350.	1.6	62
45	Introducing an amine functionalized novel conjugate material for toxic nitrite detection and adsorption from wastewater. Journal of Cleaner Production, 2019, 228, 778-785.	4.6	223
46	Introducing an alternate conjugated material for enhanced lead(II) capturing from wastewater. Journal of Cleaner Production, 2019, 224, 920-929.	4.6	211
47	One-step wet-chemical synthesis of ternary ZnO/CuO/Co₃O₄nanoparticles for sensitive and selective melamine sensor development. New Journal of Chemistry, 2019, 43, 4849-4858.	1.4	149
48	Pyro-lytic de-oxygenation of waste cooking oil for green diesel production over Ag2O3-La2O3/AC nano-catalyst. Journal of Analytical and Applied Pyrolysis, 2019, 137, 171-184.	2.6	65
49	Efficient biodiesel production from Jatropha curcus using CaSO4/Fe2O3-SiO2 core-shell magnetic nanoparticles. Journal of Cleaner Production, 2019, 208, 816-826.	4.6	222
50	Efficient detection and adsorption of cadmium(II) ions using innovative nano-composite materials. Chemical Engineering Journal, 2018, 343, 118-127.	6.6	363
51	Wet-chemically prepared low-dimensional ZnO/Al₂O₃/Cr₂O₃nanoparticles for xanthine sensor development using an electrochemical method. RSC Advances, 2018, 8, 12562-12572.	1.7	56
52	Improving text relatedness by incorporating phrase relatedness with word relatedness. Computational Intelligence, 2018, 34, 939-966.	2.1	1
53	Methoxy-functionalized mesostructured stable carbon catalysts for effective biodiesel production from non-edible feedstock. Chemical Engineering Journal, 2018, 334, 1851-1868.	6.6	54
54	Recent progress in Si hetero-junction solar cell: A comprehensive review. Renewable and Sustainable Energy Reviews, 2018, 82, 1990-2004.	8.2	17

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55	3,4-Diaminotoluene sensor development based on hydrothermally prepared MnCoxOy nanoparticles. Talanta, 2018, 176, 17-25.	2.9	51
56	Integrating Global Attention for Pairwise Text Comparison. , 2018, , .		0
57	Helpfulness Prediction of Online Product Reviews. , 2018, , .		16
58	Inâ€šitu Glycine Sensor Development Based ZnO/Al₂O₃/Cr₂O₃ Nanoparticles. ChemistrySelect, 2018, 3, 11460-11468.	0.7	33
59	Evaluation of mechanical, morphological, and biodegradable properties of hybrid natural fiber polymer nanocomposites. Polymer Composites, 2017, 38, 583-587.	2.3	21
60	Bio-oil production via catalytic solvolysis of biomass. RSC Advances, 2017, 7, 7820-7830.	1.7	26
61	Screening of solid base catalysts on palm oil based biolubricant synthesis. Journal of Cleaner Production, 2017, 148, 441-451.	4.6	30
62	Fabrication of selective chemical sensor with ternary ZnO/SnO2/Yb2O3 nanoparticles. Talanta, 2017, 170, 215-223.	2.9	76
63	Inorganic-organic based novel nano-conjugate material for effective cobalt(II) ions capturing from wastewater. Chemical Engineering Journal, 2017, 324, 130-139.	6.6	265
64	Effective synthesis of biodiesel from Jatropha curcas oil using betaine assisted nanoparticle heterogeneous catalyst from eggshell of Gallus domesticus. Renewable Energy, 2017, 111, 892-905.	4.3	60
65	Ethanol sensor development based on ternary-doped metal oxides (CdO/ZnO/Yb₂O₃) nanosheets for environmental safety. RSC Advances, 2017, 7, 22627-22639.	1.7	77
66	Extraction and Characterization of Î³-Alumina from Waste Aluminium Dross. Waste and Biomass Valorization, 2017, 8, 321-327.	1.8	45
67	Development of Millimetric Particle for Biodiesel Production. , 2017, , 65-97.		1
68	Production of Biodiesel Using Spherical Millimetric Catalyst. , 2017, , 99-115.		0
69	Transesterification activity and characterization of natural CaO derived from waste venus clam () Tj ETQq1 1 0.784314 rgBT /Overlock 1 and Design, 2017, 105, 303-315.	2.7	72
70	f: Phrase Relatedness Function Using Overlapping Bi-gram Context. Lecture Notes in Computer Science, 2016, , 137-149.	1.0	2
71	Algae derived biodiesel using nanocatalytic transesterification process. Chemical Engineering Research and Design, 2016, 111, 362-370.	2.7	120
72	Synthesis of structured carbon nanorods for efficient hydrogen storage. Materials Letters, 2016, 179, 57-60.	1.3	25

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73	Glycerolysis of palm fatty acid distillate for biodiesel feedstock under different reactor conditions. Fuel, 2016, 174, 133-139.	3.4	21
74	Calcium alginate hydrogel beads with high stiffness and extended dissolution behaviour. European Polymer Journal, 2016, 75, 343-353.	2.6	85
75	Binary metal-doped methoxide catalyst for biodiesel production from palm stearin. Research on Chemical Intermediates, 2016, 42, 1943-1963.	1.3	1
76	High Coke-Resistance Pt/Mg1-xNixO Catalyst for Dry Reforming of Methane. PLoS ONE, 2016, 11, e0145862.	1.1	25
77	Non-uniform Language Detection in Technical Writing. , 2016, , .		1
78	DalGTM at SemEval-2016 Task 1: Importance-Aware Compositional Approach to Short Text Similarity. , 2016, , .		1
79	Rheological behavior of coirâ€fiberâ€filled polypropylene composites at constant shear stress. Polymer Composites, 2015, 36, 51-61.	2.3	5
80	Seeded Growth Route to Noble Calcium Carbonate Nanocrystal. PLoS ONE, 2015, 10, e0144805.	1.1	9
81	Biodiesel synthesis from photoautotrophic cultivated oleoginous microalgae using a sand dollar catalyst. RSC Advances, 2015, 5, 47140-47152.	1.7	28
82	Stabilization of grid connected wind power system by using ECS. , 2015, , .		3
83	Efficient Parallelization of the Google Trigram Method for Document Relatedness Computation. , 2015, , .		0
84	Stability enhancement of wind power system by using energy capacitor system. , 2015, , .		0
85	Hydrothermal effect on synthesis, characterization and catalytic properties of calcium methoxide for biodiesel production from crude Jatropha curcas. RSC Advances, 2015, 5, 4266-4276.	1.7	56
86	Biodiesel from low cost palm stearin using metal doped methoxide solid catalyst. Industrial Crops and Products, 2015, 76, 281-289.	2.5	53
87	Scheduling the blended solution as industrial CO2 absorber in separation process by back-propagation artificial neural networks. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 150, 892-901.	2.0	5
88	Biodiesel synthesis over millimetric Î³-Al2O3/KI catalyst. Energy, 2015, 89, 965-973.	4.5	69
89	Modeling of photodegradation process to remove the higher concentration of environmental pollution. Desalination and Water Treatment, 2015, , 1-11.	1.0	0
90	Sucrose-derived catalytic biodiesel synthesis from low cost palm fatty acid distillate. Chemical Engineering Research and Design, 2015, 95, 126-135.	2.7	32

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91	Screening of modified CaO-based catalysts with a series of dopants for the supercritical water gasification of empty palm fruit bunches to produce hydrogen. RSC Advances, 2015, 5, 36798-36808.	1.7	26
92	Production of ultra-high concentration calcium alginate beads with prolonged dissolution profile. RSC Advances, 2015, 5, 36687-36695.	1.7	110
93	Efficient Computation of Co-occurrence Based Word Relatedness. , 2015, , .		2
94	Similarity-Based Support for Text Reuse in Technical Writing. , 2015, , .		8
95	TrWP: Text Relatedness using Word and Phrase Relatedness. , 2015, , .		2
96	Do Important Words in Bag-of-Words Model of Text Relatedness Help?. Lecture Notes in Computer Science, 2015, , 569-577.	1.0	0
97	When was Macbeth Written? Mapping Book to Time. Lecture Notes in Computer Science, 2015, , 73-84.	1.0	1
98	Study on Emission and Performance of Diesel Engine Using Castor Biodiesel. Journal of Chemistry, 2014, 2014, 1-8.	0.9	53
99	Enhancing the sorption performance of surfactant-assisted CaO nanoparticles. RSC Advances, 2014, 4, 65127-65136.	1.7	31
100	Production of biodiesel from non-edible Jatropha curcas oil via transesterification using Bi 2 O 3 â€“La 2 O 3 catalyst. Energy Conversion and Management, 2014, 88, 1257-1262.	4.4	122
101	Energy security in Bangladesh perspectiveâ€”An assessment and implication. Renewable and Sustainable Energy Reviews, 2014, 32, 154-171.	8.2	56
102	Transesterification of Jatropha curcas crude oil to biodiesel on calcium lanthanum mixed oxide catalyst: Effect of stoichiometric composition. Energy Conversion and Management, 2014, 88, 1290-1296.	4.4	137
103	Production of biodiesel from palm oil using modified Malaysian natural dolomites. Energy Conversion and Management, 2014, 78, 738-744.	4.4	91
104	Transesterification of Nannochloropsis oculata microalga's oil to biodiesel using calcium methoxide catalyst. Energy, 2014, 78, 63-71.	4.5	73
105	Studies on the rheological properties of aluminium oxihydroxide (boehmite) colloidal suspension. Ceramics International, 2014, 40, 3779-3783.	2.3	10
106	Advances in solid-catalytic and non-catalytic technologies for biodiesel production. Energy Conversion and Management, 2014, 88, 1200-1218.	4.4	95
107	How Document Properties Affect Document Relatedness Measures. Lecture Notes in Computer Science, 2014, , 392-403.	1.0	0
108	Optimal design of an activated sludge plant: theoretical analysis. Applied Water Science, 2013, 3, 375-386.	2.8	11

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109	Transesterification of palm oil using KF and NaNO3 catalysts supported onÂspherical millimetric Î³-Al2O3. Renewable Energy, 2013, 59, 23-29.	4.3	62
110	Development of a procedure for spherical alginateâ€“boehmite particle preparation. Advanced Powder Technology, 2013, 24, 1119-1125.	2.0	17
111	Studies on design of heterogeneous catalysts for biodiesel production. Chemical Engineering Research and Design, 2013, 91, 131-144.	2.7	143
112	Production of biodiesel from mixed waste vegetable oils using Ferric hydrogen sulphate as an effective reusable heterogeneous solid acid catalyst. Applied Catalysis A: General, 2013, 456, 182-187.	2.2	75
113	A novel catalytic method for the synthesis of spherical aragonite nanoparticles from cockle shells. Powder Technology, 2013, 246, 434-440.	2.1	49
114	Activated Carbon from Various Agricultural Wastes by Chemical Activation with KOH: Preparation and Characterization. Journal of Biobased Materials and Bioenergy, 2013, 7, 708-714.	0.1	71
115	Using Google n-Grams to Expand Word-Emotion Association Lexicon. Lecture Notes in Computer Science, 2013, , 137-148.	1.0	6
116	Synthesis and characterization of millimetric gamma alumina spherical particles by oil drop granulation method. Journal of Porous Materials, 2012, 19, 807-817.	1.3	45
117	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. Journal of Food Engineering, 2012, 108, 297-303.	2.7	48
118	Text Similarity Using Google Tri-grams. Lecture Notes in Computer Science, 2012, , 312-317.	1.0	34
119	Correcting Different Types of Errors in Texts. Lecture Notes in Computer Science, 2011, , 192-203.	1.0	2
120	Rheology and Gelling Behavior of Boehmite Sols. Journal of Applied Sciences, 2011, 11, 2327-2333.	0.1	4
121	An unsupervised approach to preposition error correction. , 2010, , .		6
122	Real-word spelling correction using Google web 1Tn-gram data set. , 2009, , .		16
123	Managing the Google Web 1T 5-gram data set. , 2009, , .		2
124	Real-word spelling correction using Google Web 1T n-gram with backoff. , 2009, , .		18
125	Applications of corpus-based semantic similarity and word segmentation to database schema matching. VLDB Journal, 2008, 17, 1293-1320.	2.7	18
126	Semantic text similarity using corpus-based word similarity and string similarity. ACM Transactions on Knowledge Discovery From Data, 2008, 2, 1-25.	2.5	319

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127	Using Various Indexing Schemes and Multiple Translations in the CL-SR Task at CLEF 2005. Lecture Notes in Computer Science, 2006, , 760-768.	1.0	4