Norzahir Sapawe

List of Publications by Year
in descending order

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99 papers	2,175 citations	147726 31 h-index	254106 43 g-index
102 all docs	102 docs citations	102 times ranked	1220 citing authors

#	Article	IF	Citations
1	Cost-effective microwave rapid synthesis of zeolite NaA for removal of methylene blue. Chemical Engineering Journal, 2013, 229, 388-398.	6.6	116
2	A review on the water problem associate with organic pollutants derived from phenol, methyl orange, and remazol brilliant blue dyes. Materials Today: Proceedings, 2020, 31, A141-A150.	0.9	113
3	Utilization of bivalve shell-treated Zea mays L. (maize) husk leaf as a low-cost biosorbent for enhanced adsorption of malachite green. Bioresource Technology, 2012, 120, 218-224.	4.8	112
4	Photodecolorization of methyl orange over Î±-Fe2O3-supported HY catalysts: The effects of catalyst preparation and dealumination. Chemical Engineering Journal, 2012, 191, 112-122.	6.6	93
5	Electrochemical strategy for grown ZnO nanoparticles deposited onto HY zeolite with enhanced photodecolorization of methylene blue: Effect of the formation of SiOZn bonds. Applied Catalysis A: General, 2013, 456, 144-158.	2.2	83
6	Isomorphous substitution of Zr in the framework of aluminosilicate HY by an electrochemical method: Evaluation by methylene blue decolorization. Applied Catalysis B: Environmental, 2012, 125, 311-323.	10.8	81
7	One-pot electro-synthesis of ZrO2â€“ZnO/HY nanocomposite for photocatalytic decolorization of various dye-contaminants. Chemical Engineering Journal, 2013, 225, 254-265.	6.6	75
8	Sequential desilicationâ€“isomorphous substitution route to prepare mesostructured silica nanoparticles loaded with ZnO and their photocatalytic activity. Applied Catalysis A: General, 2013, 468, 276-287.	2.2	69
9	Tailoring the current density to enhance photocatalytic activity of CuO/HY for decolorization of malachite green. Journal of Electroanalytical Chemistry, 2013, 701, 50-58.	1.9	52
10	Effective solar-based iron oxide supported HY zeolite catalyst for the decolorization of organic and simulated dyes. New Journal of Chemistry, 2015, 39, 6377-6387.	1.4	49
11	Hybridization of zirconia, zinc and iron supported on HY zeolite as a solar-based catalyst for the rapid decolorization of various dyes. New Journal of Chemistry, 2015, 39, 4526-4533.	1.4	49
12	Electrosynthesis of ZnO nanoparticles deposited onto egg shell for degradation of Congo red. Materials Today: Proceedings, 2018, 5, 21936-21939.	0.9	48
13	Synthesis of reverse micelle Î±-FeOOH nanoparticles in ionic liquid as an only electrolyte: Inhibition of electronâ€“hole pair recombination for efficient photoactivity. Applied Catalysis A: General, 2014, 469, 33-44.	2.2	47
14	Performance studies of electrobiosynthesis of titanium dioxide nanoparticles (TiO2) for phenol degradation. Materials Today: Proceedings, 2018, 5, 21797-21801.	0.9	47
15	Synthesis of Mesoporous Silica Nanoparticle from Banana Peel Ash for Removal of Phenol and Methyl Orange in Aqueous Solution. Materials Today: Proceedings, 2019, 19, 1119-1125.	0.9	47
16	Pyrolysis of residual palm oil in spent bleaching clay by modified tubular furnace and analysis of the products by GCâ€“MS. Journal of Analytical and Applied Pyrolysis, 2011, 91, 199-204.	2.6	45
17	Facile one-pot electrosynthesis of high photoreactive hexacoordinated Si with Zr and Zn catalyst. RSC Advances, 2015, 5, 75141-75144.	1.7	41
18	Kinetic Study on Photocatalytic Degradation of Phenol Using Green Electrosynthesized TiO2 Nanoparticles. Materials Today: Proceedings, 2019, 19, 1261-1266.	0.9	41

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19	Photocatalytic Study of ZnO-CuO/ES on Degradation of Congo Red. Materials Today: Proceedings, 2019, 19, 1333-1339.	0.9	40
20	Synthesis of green silica from agricultural waste by sol-gel method. Materials Today: Proceedings, 2018, 5, 21861-21866.	0.9	38
21	Remarkable degradation of methyl orange by tetragonal zirconia catalyst. Materials Today: Proceedings, 2018, 5, 21849-21852.	0.9	37
22	Performance studies removal of chromium (Cr6+) and lead (Pb2+) by oil palm frond (OPF) adsorbent in aqueous solution. Materials Today: Proceedings, 2018, 5, 21897-21904.	0.9	37
23	Excellent Performance Integrated Both Adsorption and Photocatalytic Reaction Toward Degradation of Congo Red by CuO/Eggshell. Materials Today: Proceedings, 2019, 19, 1340-1345.	0.9	37
24	Effect of pH on Phenol Degradation Using Green Synthesized Titanium Dioxide Nanoparticles. Materials Today: Proceedings, 2019, 19, 1321-1326.	0.9	37
25	A Novel Approach of In-Situ Electrobiosynthesis of Metal Oxide Nanoparticles Using Crude Plant Extract as Main Medium for Supporting Electrolyte. Materials Today: Proceedings, 2019, 19, 1441-1445.	0.9	37
26	Microwave induced HNO2 and H3PO4 activation of oil palm frond (OPF) for removal of malachite green. Materials Today: Proceedings, 2018, 5, 22143-22147.	0.9	35
27	The Potential of ZrO2 Catalyst Toward Degradation of Dyes and Phenolic Compound. Materials Today: Proceedings, 2019, 19, 1524-1528.	0.9	33
28	Effect of Calcination Temperature on The Structure and Catalytic Performance of ZrO2 Catalyst in Phenol Degradation. Materials Today: Proceedings, 2019, 19, 1533-1536.	0.9	32
29	Electrosynthesis of ZrO2 Nanoparticles with Enhanced Removal of Phenolic Compound. Materials Today: Proceedings, 2019, 19, 1529-1532.	0.9	32
30	Regeneration Studies of TiO2 Photocatalyst for Degradation of Phenol in a Batch System. Materials Today: Proceedings, 2019, 19, 1327-1332.	0.9	32
31	Electrogenerated Zirconia (EGZrO2) Nanoparticles as Recyclable Catalyst for Effective Photocatalytic Degradation of Phenol. Materials Today: Proceedings, 2019, 19, 1537-1540.	0.9	31
32	PERFORMANCE OF EGZrO2-EGFe2O3/HY AS PHOTOCATALYST AND ITS EFFICACY IN DECOLORIZATION OF DYE-CONTAMINANTS. Malaysian Journal of Analytical Sciences, 2016, 20, 1052-1058.	0.2	31
33	Effective Photocatalytic Removal of Different Dye Stuffs Using ZnO/CuO-Incorporated onto Eggshell Templating. Materials Today: Proceedings, 2019, 19, 1255-1260.	0.9	30
34	A New Approach Using Palm Olein, Palm Kernel Oil, and Palm Fatty Acid Distillate as Alternative Biolubricants: Improving Tribology in Metal-on-Metal Contact. Tribology Transactions, 2015, 58, 511-517.	1.1	29
35	Effect of Addition of Tertiary-Butyl Hydroquinone into Palm Oil to Reduce Wear and Friction Using Four-Ball Tribotester. Tribology Transactions, 2016, 59, 883-888.	1.1	28
36	Study on The Potential of Waste Cockle Shell Derived Calcium Oxide for Biolubricant Production. Materials Today: Proceedings, 2019, 19, 1346-1353.	0.9	23

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37	Waste Material As an Alternative Source of Silica Precursor in Silica Nanoparticle Synthesis â€“ A Review. Materials Today: Proceedings, 2019, 19, 1267-1272.	0.9	19
38	A short review on photocatalytic toward dye degradation. Materials Today: Proceedings, 2020, 31, A42-A47.	0.9	19
39	Effect of initial concentration on the photocatalytic degradation of remazol brilliant blue dye using nickel catalyst. Materials Today: Proceedings, 2020, 31, 318-320.	0.9	17
40	A review on the current techniques and technologies of organic pollutants removal from water/wastewater. Materials Today: Proceedings, 2020, 31, A158-A165.	0.9	17
41	Application of chemometrics techniques to solve environmental issues in Malaysia. Heliyon, 2019, 5, e02534.	1.4	15
42	Analysis of the pyrolysis products from spent bleaching clay. Materials Today: Proceedings, 2018, 5, 21940-21947.	0.9	13
43	Low-temperature stabilization of electrosynthesized tetragonal zirconia, its photoactivity toward methylene blue decolorization. Desalination and Water Treatment, 2015, 56, 2402-2416.	1.0	12
44	Optimization of biodiesel production from waste cooking oil using eggshell catalyst. Materials Today: Proceedings, 2020, 31, 324-328.	0.9	12
45	A short review on zinc metal nanoparticles synthesize by green chemistry via natural plant extracts. Materials Today: Proceedings, 2020, 31, 386-393.	0.9	12
46	Analysis of biodiesel product derived from waste cooking oil using fourier transform infrared spectroscopy. Materials Today: Proceedings, 2020, 31, 329-332.	0.9	12
47	The Use of Palm Oil as New Alternative Biolubricant for Improving Anti-Friction and Anti-Wear Properties. Materials Today: Proceedings, 2019, 19, 1126-1135.	0.9	11
48	Influence of pH on the photocatalytic degradation of methyl orange using nickel catalyst. Materials Today: Proceedings, 2020, 31, 339-341.	0.9	11
49	Biodiesel production from waste cooking oil using nickel doped onto eggshell catalyst. Materials Today: Proceedings, 2020, 31, 342-346.	0.9	11
50	A short review on carbon dioxide (CO2) methanation process. Materials Today: Proceedings, 2020, 31, 394-397.	0.9	10
51	A short review on green synthesis of iron metal nanoparticles via plants extracts. Materials Today: Proceedings, 2020, 31, A48-A53.	0.9	10
52	Sunflower shell waste as an alternative animal feed. Materials Today: Proceedings, 2018, 5, 21905-21910.	0.9	9
53	Effective photocatalytic degradation of remazol brilliant blue using nickel catalyst. Materials Today: Proceedings, 2020, 31, 275-277.	0.9	9
54	Wear Characterization of Aluminum Lubricated with Palm Olein at Different Normal Load. Applied Mechanics and Materials, 2014, 554, 401-405.	0.2	8

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55	Effect of pH on the photocatalytic degradation of remazol brilliant blue dye using zirconia catalyst. Materials Today: Proceedings, 2020, 31, 260-262.	0.9	8
56	Chemically modified Moringa oleifera seed husks as low cost adsorbent for removal of copper from aqueous solution. AIP Conference Proceedings, 2017, , .	0.3	6
57	Removal of methylene blue from aqueous solution using silica nanoparticle extracted from skewer coconut leaves. Materials Today: Proceedings, 2020, 31, 398-401.	0.9	6
58	Reusability study of zirconia catalyst toward photocatalytic degradation of remazol brilliant blue dye. Materials Today: Proceedings, 2020, 31, 266-268.	0.9	6
59	High purity and amorphous silica (SiO2) prepared from oil palm frond (OPF) through solâ€“gel method. Materials Today: Proceedings, 2020, 31, 228-231.	0.9	6
60	Performance of nickel catalyst toward photocatalytic degradation of methyl orange. Materials Today: Proceedings, 2020, 31, 257-259.	0.9	6
61	Removal of methyl orange over low-cost silica nanoparticles extrated from bamboo leaves ash. Materials Today: Proceedings, 2020, 31, A54-A57.	0.9	6
62	An overview of recent developments on semiconductor catalyst synthesis and modification used in photocatalytic reaction. Materials Today: Proceedings, 2020, 31, A151-A157.	0.9	6
63	A short review on biosynthesis of cobalt metal nanoparticles. Materials Today: Proceedings, 2020, 31, 378-385.	0.9	5
64	Optimization of silica (SiO2) synthesis from acid leached oil palm frond ash (OPFA) through sol-gel method. Materials Today: Proceedings, 2020, 31, 232-236.	0.9	5
65	Characterization and physicochemical properties of biodiesel produced from waste cooking oil (WCO) using magnetic alumina-ferric oxide nanoparticles catalyst. Materials Today: Proceedings, 2020, 31, A122-A125.	0.9	5
66	Production of Silica from Agricultural Waste. Archives of Organic and Inorganic Chemical Sciences, 2018, 3, .	0.2	5
67	The Influence of Normal Load in Wear Resistance Characteristic of Palm Fatty Acid Distillate. Applied Mechanics and Materials, 2014, 554, 286-290.	0.2	4
68	Tribological Testing of Hemispherical Titanium Pin Lubricated by Novel Palm Oil: Evaluating Anti-Wear and Anti-Friction Properties. Chinese Journal of Mechanical Engineering (English Edition), 2017, 30, 644-651.	1.9	4
69	Photocatalytic degradation of remazol brilliant blue dye using zirconia catalyst under visible light irradiation. Materials Today: Proceedings, 2020, 31, 272-274.	0.9	4
70	Recyclable study of nickel catalyst with efficient photodegradation of remazol brilliant blue dye. Materials Today: Proceedings, 2020, 31, 269-271.	0.9	4
71	Nickel as recyclable catalyst for effective photocatalytic degradation of methyl orange. Materials Today: Proceedings, 2020, 31, 321-323.	0.9	4
72	Preparation of amorphous oil palm frond ash (OPFA) via acid leaching treatment as precursor for silica synthesis. Materials Today: Proceedings, 2020, 31, 253-256.	0.9	4

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73	A short review on photocatalytic reaction in diesel degradation. Materials Today: Proceedings, 2020, 31, A33-A37.	0.9	4
74	Machining Pits on the Curvature Surface Cup Using Spark Process. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.3	4
75	Surface modification of biomaterial embedded with pits using die sinker machine. Scientia Iranica, 2017, 24, 1901-1911.	0.3	4
76	A new tribological approach on metal cup with optimized pits model using spark discharge machine. Particulate Science and Technology, 2016, 34, 209-216.	1.1	3
77	Synthesis of silica (SiO2) from reproducible acid-leached oil palm frond ash (OPFA) via optimized solâ€“gel method. Materials Today: Proceedings, 2020, 31, 249-252.	0.9	3
78	Photocatalytic activity of nickel catalyst toward remazol brilliant blue dye in various pH conditions. Materials Today: Proceedings, 2020, 31, 263-265.	0.9	3
79	Proximate Analysis of Animal Feed Pellet Formulated from Sunflower Shell Waste. Materials Today: Proceedings, 2019, 19, 1796-1802.	0.9	3
80	Effective performance of silica nanoparticles extracted from bamboo leaves ash for removal of phenol. Materials Today: Proceedings, 2020, 31, A27-A32.	0.9	3
81	Effect of Low Current for Machining Pit Using Electrical Discharge Machine. Applied Mechanics and Materials, 0, 554, 180-184.	0.2	2
82	The Effect of Pits on the Curvature Cup: For Reducing Friction in Soft on Hard Sliding Contact. Applied Mechanics and Materials, 0, 819, 489-494.	0.2	2
83	Customer Satisfaction Survey on Sunflower Shell Waste Animal Feed Pellet. Materials Today: Proceedings, 2019, 19, 1803-1809.	0.9	2
84	Identification of Pyrolytic Oil Products by GC-MS Collected via Sodium Chloride (NaCl) Saturated Solution Extract. Materials Today: Proceedings, 2019, 19, 1434-1440.	0.9	2
85	Tailoring the optical properties of zinc/copperâ€“incorporated onto eggshell synthesized via electrochemical method. Materials Today: Proceedings, 2020, 31, 241-244.	0.9	2
86	Effect of Surface Modification of Acetabular Cup with Embedded Micro-Pits on Friction Properties. American Journal of Mechanical Engineering, 2014, 2, 125-129.	0.4	2
87	Study of self-cleaning superhydrophobic surface based on titanium dioxide nanomaterial. Materials Today: Proceedings, 2020, 31, A63-A66.	0.9	2
88	A short review on plants extract mediated synthesis of copper oxide nanoparticles. Materials Today: Proceedings, 2020, 31, A38-A41.	0.9	2
89	Evaluation of Palm Stearin as Shaft Lubricant. Applied Mechanics and Materials, 0, 695, 699-703.	0.2	1
90	Facile approaches to designing pits on acetabular cups using copper electrodes in die sinking electrical discharge machining. Materials Today: Proceedings, 2018, 5, 22154-22161.	0.9	1

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91	Petz Munchez â€“ Sunflower Shell Waste-Based Animal Feed Pellet. Materials Today: Proceedings, 2019, 19, 1771-1776.	0.9	1
92	Study of the optical properties of zinc incorporated onto eggshell using UVâ€“vis diffuse reflectance spectroscopy. Materials Today: Proceedings, 2020, 31, 245-248.	0.9	1
93	Evaluation of Palm Olein as Shaft Lubricant. Applied Mechanics and Materials, 0, 819, 479-483.	0.2	0
94	Formulation of Rabbit Feed Pellet from Palm Kernel Cake (PKC). Materials Today: Proceedings, 2019, 19, 1810-1818.	0.9	0
95	Study the band gap properties of copper incorporated onto eggshell using UVâ€“Vis diffuse reflectance spectroscopy. Materials Today: Proceedings, 2020, 31, 237-240.	0.9	0
96	Photodecolorization of methylene blue over EGZrO2/EGZnO/EGFe2O3/HY photocatalyst: Effect of radical scavenger. Malaysian Journal of Fundamental and Applied Sciences, 2014, 9, .	0.4	0
97	Photodecomposition of methylene blue over EGZrO2/HY in aqueous alkaline solution. Malaysian Journal of Fundamental and Applied Sciences, 2014, 7, .	0.4	0
98	A short review on photocatalytic water purification study using magnetic beads detergent. Materials Today: Proceedings, 2020, 31, A117-A121.	0.9	0
99	Study on the optical bandgap of oil palm frond ash (OPFA) treated via acid leaching treatment. Materials Today: Proceedings, 2020, 31, 402-405.	0.9	0