

Norzahir Sapawe

List of Publications by Year in descending order

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99
papers

2,175
citations

147801

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243625

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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. <i>Chemical Engineering Journal</i> , 2013, 229, 388-398.	12.7	116
2	A review on the water problem associate with organic pollutants derived from phenol, methyl orange, and remazol brilliant blue dyes. <i>Materials Today: Proceedings</i> , 2020, 31, A141-A150.	1.8	113
3	Utilization of bivalve shell-treated <i>Zea mays</i> L. (maize) husk leaf as a low-cost biosorbent for enhanced adsorption of malachite green. <i>Bioresource Technology</i> , 2012, 120, 218-224.	9.6	112
4	Photodecolorization of methyl orange over γ -Fe ₂ O ₃ -supported HY catalysts: The effects of catalyst preparation and dealumination. <i>Chemical Engineering Journal</i> , 2012, 191, 112-122.	12.7	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. <i>Applied Catalysis A: General</i> , 2013, 456, 144-158.	4.3	83
6	Isomorphous substitution of Zr in the framework of aluminosilicate HY by an electrochemical method: Evaluation by methylene blue decolorization. <i>Applied Catalysis B: Environmental</i> , 2012, 125, 311-323.	20.2	81
7	One-pot electro-synthesis of ZrO ₂ @ZnO/HY nanocomposite for photocatalytic decolorization of various dye-contaminants. <i>Chemical Engineering Journal</i> , 2013, 225, 254-265.	12.7	75
8	Sequential desilication-isomorphous substitution route to prepare mesostructured silica nanoparticles loaded with ZnO and their photocatalytic activity. <i>Applied Catalysis A: General</i> , 2013, 468, 276-287.	4.3	69
9	Tailoring the current density to enhance photocatalytic activity of CuO/HY for decolorization of malachite green. <i>Journal of Electroanalytical Chemistry</i> , 2013, 701, 50-58.	3.8	52
10	Effective solar-based iron oxide supported HY zeolite catalyst for the decolorization of organic and simulated dyes. <i>New Journal of Chemistry</i> , 2015, 39, 6377-6387.	2.8	49
11	Hybridization of zirconia, zinc and iron supported on HY zeolite as a solar-based catalyst for the rapid decolorization of various dyes. <i>New Journal of Chemistry</i> , 2015, 39, 4526-4533.	2.8	49
12	Electrosynthesis of ZnO nanoparticles deposited onto egg shell for degradation of Congo red. <i>Materials Today: Proceedings</i> , 2018, 5, 21936-21939.	1.8	48
13	Synthesis of reverse micelle γ -FeOOH nanoparticles in ionic liquid as an only electrolyte: Inhibition of electron-hole pair recombination for efficient photoactivity. <i>Applied Catalysis A: General</i> , 2014, 469, 33-44.	4.3	47
14	Performance studies of electrobiosynthesis of titanium dioxide nanoparticles (TiO ₂) for phenol degradation. <i>Materials Today: Proceedings</i> , 2018, 5, 21797-21801.	1.8	47
15	Synthesis of Mesoporous Silica Nanoparticle from Banana Peel Ash for Removal of Phenol and Methyl Orange in Aqueous Solution. <i>Materials Today: Proceedings</i> , 2019, 19, 1119-1125.	1.8	47
16	Pyrolysis of residual palm oil in spent bleaching clay by modified tubular furnace and analysis of the products by GC-MS. <i>Journal of Analytical and Applied Pyrolysis</i> , 2011, 91, 199-204.	5.5	45
17	Facile one-pot electrosynthesis of high photoreactive hexacoordinated Si with Zr and Zn catalyst. <i>RSC Advances</i> , 2015, 5, 75141-75144.	3.6	41
18	Kinetic Study on Photocatalytic Degradation of Phenol Using Green Electrosynthesized TiO ₂ Nanoparticles. <i>Materials Today: Proceedings</i> , 2019, 19, 1261-1266.	1.8	41

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19	Photocatalytic Study of ZnO-CuO/ES on Degradation of Congo Red. Materials Today: Proceedings, 2019, 19, 1333-1339.	1.8	40
20	Synthesis of green silica from agricultural waste by sol-gel method. Materials Today: Proceedings, 2018, 5, 21861-21866.	1.8	38
21	Remarkable degradation of methyl orange by tetragonal zirconia catalyst. Materials Today: Proceedings, 2018, 5, 21849-21852.	1.8	37
22	Performance studies removal of chromium (Cr ⁶⁺) and lead (Pb ²⁺) by oil palm frond (OPF) adsorbent in aqueous solution. Materials Today: Proceedings, 2018, 5, 21897-21904.	1.8	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.	1.8	37
24	Effect of pH on Phenol Degradation Using Green Synthesized Titanium Dioxide Nanoparticles. Materials Today: Proceedings, 2019, 19, 1321-1326.	1.8	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.	1.8	37
26	Microwave induced HNO ₂ and H ₃ PO ₄ activation of oil palm frond (OPF) for removal of malachite green. Materials Today: Proceedings, 2018, 5, 22143-22147.	1.8	35
27	The Potential of ZrO ₂ Catalyst Toward Degradation of Dyes and Phenolic Compound. Materials Today: Proceedings, 2019, 19, 1524-1528.	1.8	33
28	Effect of Calcination Temperature on The Structure and Catalytic Performance of ZrO ₂ Catalyst in Phenol Degradation. Materials Today: Proceedings, 2019, 19, 1533-1536.	1.8	32
29	Electrosynthesis of ZrO ₂ Nanoparticles with Enhanced Removal of Phenolic Compound. Materials Today: Proceedings, 2019, 19, 1529-1532.	1.8	32
30	Regeneration Studies of TiO ₂ Photocatalyst for Degradation of Phenol in a Batch System. Materials Today: Proceedings, 2019, 19, 1327-1332.	1.8	32
31	Electrogenerated Zirconia (EGZrO ₂) Nanoparticles as Recyclable Catalyst for Effective Photocatalytic Degradation of Phenol. Materials Today: Proceedings, 2019, 19, 1537-1540.	1.8	31
32	PERFORMANCE OF EGZrO ₂ -EGFe ₂ O ₃ /HY AS PHOTOCATALYST AND ITS EFFICACY IN DECOLORIZATION OF DYE-CONTAMINANTS. Malaysian Journal of Analytical Sciences, 2016, 20, 1052-1058.	0.1	31
33	Effective Photocatalytic Removal of Different Dye Stuffs Using ZnO/CuO-Incorporated onto Eggshell Templating. Materials Today: Proceedings, 2019, 19, 1255-1260.	1.8	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.	2.0	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.	2.0	28
36	Study on The Potential of Waste Cockle Shell Derived Calcium Oxide for Biolubricant Production. Materials Today: Proceedings, 2019, 19, 1346-1353.	1.8	23

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37	Waste Material As an Alternative Source of Silica Precursor in Silica Nanoparticle Synthesis – A Review. <i>Materials Today: Proceedings</i> , 2019, 19, 1267-1272.	1.8	19
38	A short review on photocatalytic toward dye degradation. <i>Materials Today: Proceedings</i> , 2020, 31, A42-A47.	1.8	19
39	Effect of initial concentration on the photocatalytic degradation of remazol brilliant blue dye using nickel catalyst. <i>Materials Today: Proceedings</i> , 2020, 31, 318-320.	1.8	17
40	A review on the current techniques and technologies of organic pollutants removal from water/wastewater. <i>Materials Today: Proceedings</i> , 2020, 31, A158-A165.	1.8	17
41	Application of chemometrics techniques to solve environmental issues in Malaysia. <i>Heliyon</i> , 2019, 5, e02534.	3.2	15
42	Analysis of the pyrolysis products from spent bleaching clay. <i>Materials Today: Proceedings</i> , 2018, 5, 21940-21947.	1.8	13
43	Low-temperature stabilization of electrosynthesized tetragonal zirconia, its photoactivity toward methylene blue decolorization. <i>Desalination and Water Treatment</i> , 2015, 56, 2402-2416.	1.0	12
44	Optimization of biodiesel production from waste cooking oil using eggshell catalyst. <i>Materials Today: Proceedings</i> , 2020, 31, 324-328.	1.8	12
45	A short review on zinc metal nanoparticles synthesize by green chemistry via natural plant extracts. <i>Materials Today: Proceedings</i> , 2020, 31, 386-393.	1.8	12
46	Analysis of biodiesel product derived from waste cooking oil using fourier transform infrared spectroscopy. <i>Materials Today: Proceedings</i> , 2020, 31, 329-332.	1.8	12
47	The Use of Palm Oil as New Alternative Biolubricant for Improving Anti-Friction and Anti-Wear Properties. <i>Materials Today: Proceedings</i> , 2019, 19, 1126-1135.	1.8	11
48	Influence of pH on the photocatalytic degradation of methyl orange using nickel catalyst. <i>Materials Today: Proceedings</i> , 2020, 31, 339-341.	1.8	11
49	Biodiesel production from waste cooking oil using nickel doped onto eggshell catalyst. <i>Materials Today: Proceedings</i> , 2020, 31, 342-346.	1.8	11
50	A short review on carbon dioxide (CO ₂) methanation process. <i>Materials Today: Proceedings</i> , 2020, 31, 394-397.	1.8	10
51	A short review on green synthesis of iron metal nanoparticles via plants extracts. <i>Materials Today: Proceedings</i> , 2020, 31, A48-A53.	1.8	10
52	Sunflower shell waste as an alternative animal feed. <i>Materials Today: Proceedings</i> , 2018, 5, 21905-21910.	1.8	9
53	Effective photocatalytic degradation of remazol brilliant blue using nickel catalyst. <i>Materials Today: Proceedings</i> , 2020, 31, 275-277.	1.8	9
54	Wear Characterization of Aluminum Lubricated with Palm Olein at Different Normal Load. <i>Applied Mechanics and Materials</i> , 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. <i>Materials Today: Proceedings</i> , 2020, 31, 260-262.	1.8	8
56	Chemically modified <i>Moringa oleifera</i> seed husks as low cost adsorbent for removal of copper from aqueous solution. <i>AIP Conference Proceedings</i> , 2017, . .	0.4	6
57	Removal of methylene blue from aqueous solution using silica nanoparticle extracted from skewer coconut leaves. <i>Materials Today: Proceedings</i> , 2020, 31, 398-401.	1.8	6
58	Reusability study of zirconia catalyst toward photocatalytic degradation of remazol brilliant blue dye. <i>Materials Today: Proceedings</i> , 2020, 31, 266-268.	1.8	6
59	High purity and amorphous silica (SiO ₂) prepared from oil palm frond (OPF) through sol-gel method. <i>Materials Today: Proceedings</i> , 2020, 31, 228-231.	1.8	6
60	Performance of nickel catalyst toward photocatalytic degradation of methyl orange. <i>Materials Today: Proceedings</i> , 2020, 31, 257-259.	1.8	6
61	Removal of methyl orange over low-cost silica nanoparticles extrated from bamboo leaves ash. <i>Materials Today: Proceedings</i> , 2020, 31, A54-A57.	1.8	6
62	An overview of recent developments on semiconductor catalyst synthesis and modification used in photocatalytic reaction. <i>Materials Today: Proceedings</i> , 2020, 31, A151-A157.	1.8	6
63	A short review on biosynthesis of cobalt metal nanoparticles. <i>Materials Today: Proceedings</i> , 2020, 31, 378-385.	1.8	5
64	Optimization of silica (SiO ₂) synthesis from acid leached oil palm frond ash (OPFA) through sol-gel method. <i>Materials Today: Proceedings</i> , 2020, 31, 232-236.	1.8	5
65	Characterization and physicochemical properties of biodiesel produced from waste cooking oil (WCO) using magnetic alumina-ferric oxide nanoparticles catalyst. <i>Materials Today: Proceedings</i> , 2020, 31, A122-A125.	1.8	5
66	Production of Silica from Agricultural Waste. <i>Archives of Organic and Inorganic Chemical Sciences</i> , 2018, 3, .	0.2	5
67	The Influence of Normal Load in Wear Resistance Characteristic of Palm Fatty Acid Distillate. <i>Applied Mechanics and Materials</i> , 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. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2017, 30, 644-651.	3.7	4
69	Photocatalytic degradation of remazol brilliant blue dye using zirconia catalyst under visible light irradiation. <i>Materials Today: Proceedings</i> , 2020, 31, 272-274.	1.8	4
70	Recyclable study of nickel catalyst with efficient photodegradation of remazol brilliant blue dye. <i>Materials Today: Proceedings</i> , 2020, 31, 269-271.	1.8	4
71	Nickel as recyclable catalyst for effective photocatalytic degradation of methyl orange. <i>Materials Today: Proceedings</i> , 2020, 31, 321-323.	1.8	4
72	Preparation of amorphous oil palm frond ash (OPFA) via acid leaching treatment as precursor for silica synthesis. <i>Materials Today: Proceedings</i> , 2020, 31, 253-256.	1.8	4

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73	A short review on photocatalytic reaction in diesel degradation. <i>Materials Today: Proceedings</i> , 2020, 31, A33-A37.	1.8	4
74	Machining Pits on the Curvature Surface Cup Using Spark Process. <i>Jurnal Teknologi (Sciences and)</i> Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.4	4
75	Surface modification of biomaterial embedded with pits using die sinker machine. <i>Scientia Iranica</i> , 2017, 24, 1901-1911.	0.4	4
76	A new tribological approach on metal cup with optimized pits model using spark discharge machine. <i>Particulate Science and Technology</i> , 2016, 34, 209-216.	2.1	3
77	Synthesis of silica (SiO ₂) from reproducible acid-leached oil palm frond ash (OPFA) via optimized sol-gel method. <i>Materials Today: Proceedings</i> , 2020, 31, 249-252.	1.8	3
78	Photocatalytic activity of nickel catalyst toward remazol brilliant blue dye in various pH conditions. <i>Materials Today: Proceedings</i> , 2020, 31, 263-265.	1.8	3
79	Proximate Analysis of Animal Feed Pellet Formulated from Sunflower Shell Waste. <i>Materials Today: Proceedings</i> , 2019, 19, 1796-1802.	1.8	3
80	Effective performance of silica nanoparticles extracted from bamboo leaves ash for removal of phenol. <i>Materials Today: Proceedings</i> , 2020, 31, A27-A32.	1.8	3
81	Effect of Low Current for Machining Pit Using Electrical Discharge Machine. <i>Applied Mechanics and Materials</i> , 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. <i>Applied Mechanics and Materials</i> , 0, 819, 489-494.	0.2	2
83	Customer Satisfaction Survey on Sunflower Shell Waste Animal Feed Pellet. <i>Materials Today: Proceedings</i> , 2019, 19, 1803-1809.	1.8	2
84	Identification of Pyrolytic Oil Products by GC-MS Collected via Sodium Chloride (NaCl) Saturated Solution Extract. <i>Materials Today: Proceedings</i> , 2019, 19, 1434-1440.	1.8	2
85	Tailoring the optical properties of zinc/copper incorporated onto eggshell synthesized via electrochemical method. <i>Materials Today: Proceedings</i> , 2020, 31, 241-244.	1.8	2
86	Effect of Surface Modification of Acetabular Cup with Embedded Micro-Pits on Friction Properties. <i>American Journal of Mechanical Engineering</i> , 2014, 2, 125-129.	0.4	2
87	Study of self-cleaning superhydrophobic surface based on titanium dioxide nanomaterial. <i>Materials Today: Proceedings</i> , 2020, 31, A63-A66.	1.8	2
88	A short review on plants extract mediated synthesis of copper oxide nanoparticles. <i>Materials Today: Proceedings</i> , 2020, 31, A38-A41.	1.8	2
89	Evaluation of Palm Stearin as Shaft Lubricant. <i>Applied Mechanics and Materials</i> , 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. <i>Materials Today: Proceedings</i> , 2018, 5, 22154-22161.	1.8	1

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91	Petz Munchez " Sunflower Shell Waste-Based Animal Feed Pellet. Materials Today: Proceedings, 2019, 19, 1771-1776.	1.8	1
92	Study of the optical properties of zinc incorporated onto eggshell using UV-vis diffuse reflectance spectroscopy. Materials Today: Proceedings, 2020, 31, 245-248.	1.8	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.	1.8	0
95	Study the band gap properties of copper incorporated onto eggshell using UV-vis diffuse reflectance spectroscopy. Materials Today: Proceedings, 2020, 31, 237-240.	1.8	0
96	Photodecolorization of methylene blue over EGZrO ₂ /EGZnO/EGFe ₂ O ₃ /HY photocatalyst: Effect of radical scavenger. Malaysian Journal of Fundamental and Applied Sciences, 2014, 9, .	0.8	0
97	Photodecomposition of methylene blue over EGZrO ₂ /HY in aqueous alkaline solution. Malaysian Journal of Fundamental and Applied Sciences, 2014, 7, .	0.8	0
98	A short review on photocatalytic water purification study using magnetic beads detergent. Materials Today: Proceedings, 2020, 31, A117-A121.	1.8	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.	1.8	0