

# 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  
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102  
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102  
docs citations

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times ranked

1220  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic degradation of remazol brilliant blue dye using zirconia catalyst under visible light irradiation. <i>Materials Today: Proceedings</i> , 2020, 31, 272-274.	0.9	4
2	Removal of methylene blue from aqueous solution using silica nanoparticle extracted from skewer coconut leaves. <i>Materials Today: Proceedings</i> , 2020, 31, 398-401.	0.9	6
3	Recyclable study of nickel catalyst with efficient photodegradation of remazol brilliant blue dye. <i>Materials Today: Proceedings</i> , 2020, 31, 269-271.	0.9	4
4	Reusability study of zirconia catalyst toward photocatalytic degradation of remazol brilliant blue dye. <i>Materials Today: Proceedings</i> , 2020, 31, 266-268.	0.9	6
5	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.	0.9	17
6	A short review on carbon dioxide (CO <sub>2</sub> ) methanation process. <i>Materials Today: Proceedings</i> , 2020, 31, 394-397.	0.9	10
7	Nickel as recyclable catalyst for effective photocatalytic degradation of methyl orange. <i>Materials Today: Proceedings</i> , 2020, 31, 321-323.	0.9	4
8	Optimization of biodiesel production from waste cooking oil using eggshell catalyst. <i>Materials Today: Proceedings</i> , 2020, 31, 324-328.	0.9	12
9	Study the band gap properties of copper incorporated onto eggshell using UV-Vis diffuse reflectance spectroscopy. <i>Materials Today: Proceedings</i> , 2020, 31, 237-240.	0.9	0
10	Study of the optical properties of zinc incorporated onto eggshell using UV-Vis diffuse reflectance spectroscopy. <i>Materials Today: Proceedings</i> , 2020, 31, 245-248.	0.9	1
11	A short review on biosynthesis of cobalt metal nanoparticles. <i>Materials Today: Proceedings</i> , 2020, 31, 378-385.	0.9	5
12	A short review on zinc metal nanoparticles synthesized by green chemistry via natural plant extracts. <i>Materials Today: Proceedings</i> , 2020, 31, 386-393.	0.9	12
13	Effect of pH on the photocatalytic degradation of remazol brilliant blue dye using zirconia catalyst. <i>Materials Today: Proceedings</i> , 2020, 31, 260-262.	0.9	8
14	Effective photocatalytic degradation of remazol brilliant blue using nickel catalyst. <i>Materials Today: Proceedings</i> , 2020, 31, 275-277.	0.9	9
15	Influence of pH on the photocatalytic degradation of methyl orange using nickel catalyst. <i>Materials Today: Proceedings</i> , 2020, 31, 339-341.	0.9	11
16	Tailoring the optical properties of zinc/copper incorporated onto eggshell synthesized via electrochemical method. <i>Materials Today: Proceedings</i> , 2020, 31, 241-244.	0.9	2
17	High purity and amorphous silica (SiO <sub>2</sub> ) prepared from oil palm frond (OPF) through sol-gel method. <i>Materials Today: Proceedings</i> , 2020, 31, 228-231.	0.9	6
18	Optimization of silica (SiO <sub>2</sub> ) synthesis from acid leached oil palm frond ash (OPFA) through sol-gel method. <i>Materials Today: Proceedings</i> , 2020, 31, 232-236.	0.9	5

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19	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.	0.9	4
20	Synthesis of silica (SiO <sub>2</sub> ) from reproducible acid-leached oil palm frond ash (OPFA) via optimized sol-gel method. <i>Materials Today: Proceedings</i> , 2020, 31, 249-252.	0.9	3
21	Performance of nickel catalyst toward photocatalytic degradation of methyl orange. <i>Materials Today: Proceedings</i> , 2020, 31, 257-259.	0.9	6
22	Analysis of biodiesel product derived from waste cooking oil using fourier transform infrared spectroscopy. <i>Materials Today: Proceedings</i> , 2020, 31, 329-332.	0.9	12
23	Biodiesel production from waste cooking oil using nickel doped onto eggshell catalyst. <i>Materials Today: Proceedings</i> , 2020, 31, 342-346.	0.9	11
24	Photocatalytic activity of nickel catalyst toward remazol brilliant blue dye in various pH conditions. <i>Materials Today: Proceedings</i> , 2020, 31, 263-265.	0.9	3
25	A short review on photocatalytic reaction in diesel degradation. <i>Materials Today: Proceedings</i> , 2020, 31, A33-A37.	0.9	4
26	Removal of methyl orange over low-cost silica nanoparticles extrated from bamboo leaves ash. <i>Materials Today: Proceedings</i> , 2020, 31, A54-A57.	0.9	6
27	Characterization and physicochemical properties of biodiesel produced from waste cooking oil (WCO) using magnetic alumina-feric oxide nanoparticles catalyst. <i>Materials Today: Proceedings</i> , 2020, 31, A122-A125.	0.9	5
28	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.	0.9	113
29	A review on the current techniques and technologies of organic pollutants removal from water/wastewater. <i>Materials Today: Proceedings</i> , 2020, 31, A158-A165.	0.9	17
30	Study of self-cleaning superhydrophobic surface based on titanium dioxide nanomaterial. <i>Materials Today: Proceedings</i> , 2020, 31, A63-A66.	0.9	2
31	Effective performance of silica nanoparticles extracted from bamboo leaves ash for removal of phenol. <i>Materials Today: Proceedings</i> , 2020, 31, A27-A32.	0.9	3
32	A short review on plants extract mediated synthesis of copper oxide nanoparticles. <i>Materials Today: Proceedings</i> , 2020, 31, A38-A41.	0.9	2
33	An overview of recent developments on semiconductor catalyst synthesis and modification used in photocatalytic reaction. <i>Materials Today: Proceedings</i> , 2020, 31, A151-A157.	0.9	6
34	A short review on photocatalytic water purification study using magnetic beads detergent. <i>Materials Today: Proceedings</i> , 2020, 31, A117-A121.	0.9	0
35	Study on the optical bandgap of oil palm frond ash (OPFA) treated via acid leaching treatment. <i>Materials Today: Proceedings</i> , 2020, 31, 402-405.	0.9	0
36	A short review on green synthesis of iron metal nanoparticles via plants extracts. <i>Materials Today: Proceedings</i> , 2020, 31, A48-A53.	0.9	10

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37	A short review on photocatalytic toward dye degradation. Materials Today: Proceedings, 2020, 31, A42-A47.	0.9	19
38	Application of chemometrics techniques to solve environmental issues in Malaysia. Heliyon, 2019, 5, e02534.	1.4	15
39	Customer Satisfaction Survey on Sunflower Shell Waste Animal Feed Pellet. Materials Today: Proceedings, 2019, 19, 1803-1809.	0.9	2
40	Petz Munchez " Sunflower Shell Waste-Based Animal Feed Pellet. Materials Today: Proceedings, 2019, 19, 1771-1776.	0.9	1
41	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
42	Kinetic Study on Photocatalytic Degradation of Phenol Using Green Electrosynthesized TiO <sub>2</sub> Nanoparticles. Materials Today: Proceedings, 2019, 19, 1261-1266.	0.9	41
43	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
44	Effect of pH on Phenol Degradation Using Green Synthesized Titanium Dioxide Nanoparticles. Materials Today: Proceedings, 2019, 19, 1321-1326.	0.9	37
45	Effect of Calcination Temperature on The Structure and Catalytic Performance of ZrO <sub>2</sub> Catalyst in Phenol Degradation. Materials Today: Proceedings, 2019, 19, 1533-1536.	0.9	32
46	Formulation of Rabbit Feed Pellet from Palm Kernel Cake (PKC). Materials Today: Proceedings, 2019, 19, 1810-1818.	0.9	0
47	Waste Material As an Alternative Source of Silica Precursor in Silica Nanoparticle Synthesis " A Review. Materials Today: Proceedings, 2019, 19, 1267-1272.	0.9	19
48	Electrosynthesis of ZrO <sub>2</sub> Nanoparticles with Enhanced Removal of Phenolic Compound. Materials Today: Proceedings, 2019, 19, 1529-1532.	0.9	32
49	Electrogenerated Zirconia (EGZrO <sub>2</sub> ) Nanoparticles as Recyclable Catalyst for Effective Photocatalytic Degradation of Phenol. Materials Today: Proceedings, 2019, 19, 1537-1540.	0.9	31
50	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
51	Photocatalytic Study of ZnO-CuO/ES on Degradation of Congo Red. Materials Today: Proceedings, 2019, 19, 1333-1339.	0.9	40
52	Study on The Potential of Waste Cockle Shell Derived Calcium Oxide for Biolubricant Production. Materials Today: Proceedings, 2019, 19, 1346-1353.	0.9	23
53	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
54	Effective Photocatalytic Removal of Different Dye Stuffs Using ZnO/CuO-Incorporated onto Eggshell Templating. Materials Today: Proceedings, 2019, 19, 1255-1260.	0.9	30

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55	Regeneration Studies of TiO <sub>2</sub> Photocatalyst for Degradation of Phenol in a Batch System. <i>Materials Today: Proceedings</i> , 2019, 19, 1327-1332.	0.9	32
56	A Novel Approach of In-Situ Electrobiosynthesis of Metal Oxide Nanoparticles Using Crude Plant Extract as Main Medium for Supporting Electrolyte. <i>Materials Today: Proceedings</i> , 2019, 19, 1441-1445.	0.9	37
57	The Potential of ZrO <sub>2</sub> Catalyst Toward Degradation of Dyes and Phenolic Compound. <i>Materials Today: Proceedings</i> , 2019, 19, 1524-1528.	0.9	33
58	Proximate Analysis of Animal Feed Pellet Formulated from Sunflower Shell Waste. <i>Materials Today: Proceedings</i> , 2019, 19, 1796-1802.	0.9	3
59	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.	0.9	1
60	Microwave induced HNO <sub>2</sub> and H <sub>3</sub> PO <sub>4</sub> activation of oil palm frond (OPF) for removal of malachite green. <i>Materials Today: Proceedings</i> , 2018, 5, 22143-22147.	0.9	35
61	Sunflower shell waste as an alternative animal feed. <i>Materials Today: Proceedings</i> , 2018, 5, 21905-21910.	0.9	9
62	Electrosynthesis of ZnO nanoparticles deposited onto egg shell for degradation of Congo red. <i>Materials Today: Proceedings</i> , 2018, 5, 21936-21939.	0.9	48
63	Analysis of the pyrolysis products from spent bleaching clay. <i>Materials Today: Proceedings</i> , 2018, 5, 21940-21947.	0.9	13
64	Synthesis of green silica from agricultural waste by sol-gel method. <i>Materials Today: Proceedings</i> , 2018, 5, 21861-21866.	0.9	38
65	Remarkable degradation of methyl orange by tetragonal zirconia catalyst. <i>Materials Today: Proceedings</i> , 2018, 5, 21849-21852.	0.9	37
66	Performance studies of electrobiosynthesis of titanium dioxide nanoparticles (TiO <sub>2</sub> ) for phenol degradation. <i>Materials Today: Proceedings</i> , 2018, 5, 21797-21801.	0.9	47
67	Performance studies removal of chromium (Cr <sup>6+</sup> ) and lead (Pb <sup>2+</sup> ) by oil palm frond (OPF) adsorbent in aqueous solution. <i>Materials Today: Proceedings</i> , 2018, 5, 21897-21904.	0.9	37
68	Production of Silica from Agricultural Waste. <i>Archives of Organic and Inorganic Chemical Sciences</i> , 2018, 3, .	0.2	5
69	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.	1.9	4
70	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, , .	0.3	6
71	Surface modification of biomaterial embedded with pits using die sinker machine. <i>Scientia Iranica</i> , 2017, 24, 1901-1911.	0.3	4
72	Effect of Addition of Tertiary-Butyl Hydroquinone into Palm Oil to Reduce Wear and Friction Using Four-Ball Tribotester. <i>Tribology Transactions</i> , 2016, 59, 883-888.	1.1	28

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73	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.	1.1	3
74	PERFORMANCE OF EGZrO <sub>2</sub> -EGFe <sub>2</sub> O <sub>3</sub> /HY AS PHOTOCATALYST AND ITS EFFICACY IN DECOLORIZATION OF DYE-CONTAMINANTS. <i>Malaysian Journal of Analytical Sciences</i> , 2016, 20, 1052-1058.	0.2	31
75	A New Approach Using Palm Olein, Palm Kernel Oil, and Palm Fatty Acid Distillate as Alternative Biolubricants: Improving Tribology in Metal-on-Metal Contact. <i>Tribology Transactions</i> , 2015, 58, 511-517.	1.1	29
76	Facile one-pot electrosynthesis of high photoreactive hexacoordinated Si with Zr and Zn catalyst. <i>RSC Advances</i> , 2015, 5, 75141-75144.	1.7	41
77	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
78	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.	1.4	49
79	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.	1.4	49
80	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
81	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
82	Synthesis of reverse micelle $\text{Fe-FeOOH}$ 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.	2.2	47
83	Machining Pits on the Curvature Surface Cup Using Spark Process. <i>Jurnal Teknologi (Sciences and)</i> Tj ETQq1 1 0.784314 rgBT <sub>4</sub> /Overlook 0.3	0.3	4
84	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
85	Photodecolorization of methylene blue over EGZrO <sub>2</sub> /EGZnO/EGFe <sub>2</sub> O <sub>3</sub> /HY photocatalyst: Effect of radical scavenger. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2014, 9, .	0.4	0
86	Photodecomposition of methylene blue over EGZrO <sub>2</sub> /HY in aqueous alkaline solution. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2014, 7, .	0.4	0
87	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.	1.9	52
88	Cost-effective microwave rapid synthesis of zeolite NaA for removal of methylene blue. <i>Chemical Engineering Journal</i> , 2013, 229, 388-398.	6.6	116
89	One-pot electro-synthesis of ZrO <sub>2</sub> -ZnO/HY nanocomposite for photocatalytic decolorization of various dye-contaminants. <i>Chemical Engineering Journal</i> , 2013, 225, 254-265.	6.6	75
90	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.	2.2	69

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91	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
92	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
93	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
94	Photodecolorization of methyl orange over $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> -supported HY catalysts: The effects of catalyst preparation and dealumination. Chemical Engineering Journal, 2012, 191, 112-122.	6.6	93
95	Pyrolysis of residual palm oil in spent bleaching clay by modified tubular furnace and analysis of the products by GC-MS. Journal of Analytical and Applied Pyrolysis, 2011, 91, 199-204.	2.6	45
96	Evaluation of Palm Stearin as Shaft Lubricant. Applied Mechanics and Materials, 0, 695, 699-703.	0.2	1
97	Effect of Low Current for Machining Pit Using Electrical Discharge Machine. Applied Mechanics and Materials, 0, 554, 180-184.	0.2	2
98	Evaluation of Palm Olein as Shaft Lubricant. Applied Mechanics and Materials, 0, 819, 479-483.	0.2	0
99	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