

Neelima Mahato

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,559
citations

471061

17
h-index

610482

24
g-index

25
all docs

25
docs citations

25
times ranked

3586
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress in material selection for solid oxide fuel cell technology: A review. <i>Progress in Materials Science</i> , 2015, 72, 141-337.	16.0	1,143
2	Converting citrus wastes into value-added products: Economic and environmentally friendly approaches. <i>Nutrition</i> , 2017, 34, 29-46.	1.1	356
3	Citrus waste derived nutra-/pharmaceuticals for health benefits: Current trends and future perspectives. <i>Journal of Functional Foods</i> , 2018, 40, 307-316.	1.6	189
4	Modern Extraction and Purification Techniques for Obtaining High Purity Food-Grade Bioactive Compounds and Value-Added Co-Products from Citrus Wastes. <i>Foods</i> , 2019, 8, 523.	1.9	155
5	Bio-sorbents, industrially important chemicals and novel materials from citrus processing waste as a sustainable and renewable bioresource: A review. <i>Journal of Advanced Research</i> , 2020, 23, 61-82.	4.4	94
6	Extraction, characterization and biological activity of citrus flavonoids. <i>Reviews in Chemical Engineering</i> , 2019, 35, 265-284.	2.3	86
7	Economical and environmentally-friendly approaches for usage of onion (<i>Allium cepa</i> L.) waste. <i>Food and Function</i> , 2016, 7, 3354-3369.	2.1	85
8	Investigation of Passive Film Properties and Pitting Resistance of AISI 316 in Aqueous Ethanoic Acid Containing Chloride Ions using Electrochemical Impedance Spectroscopy(EIS). <i>Portugaliae Electrochimica Acta</i> , 2011, 29, 233-251.	0.4	58
9	Doped zirconia and ceria-based electrolytes for solid oxide fuel cells: a review. <i>Nanomaterials and Energy</i> , 2012, 1, 27-45.	0.1	46
10	Graphene integrated polyaniline nanostructured composite coating for protecting steels from corrosion: Synthesis, characterization, and protection mechanism of the coating material in acidic environment. <i>Construction and Building Materials</i> , 2016, 115, 618-633.	3.2	44
11	Ternary Composite of Polyaniline Graphene and TiO_2 as a Bifunctional Catalyst to Enhance the Performance of Both the Bioanode and Cathode of a Microbial Fuel Cell. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 6705-6713.	1.8	40
12	Systematic study on active compounds as antibacterial and antibiofilm agent in aging onions. <i>Journal of Food and Drug Analysis</i> , 2018, 26, 518-528.	0.9	36
13	Recent Advances on Quinazoline Derivatives: A Potential Bioactive Scaffold in Medicinal Chemistry. <i>ChemEngineering</i> , 2021, 5, 73.	1.0	35
14	Effect of nitrogen doping on the catalytic activity of carbon nano-onions for the oxygen reduction reaction in microbial fuel cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 269-277.	2.9	34
15	Recent Progress in Conducting Polymers for Hydrogen Storage and Fuel Cell Applications. <i>Polymers</i> , 2020, 12, 2480.	2.0	34
16	Biotransformation of Citrus Waste-I: Production of Biofuel and Valuable Compounds by Fermentation. <i>Processes</i> , 2021, 9, 220.	1.3	30
17	Synthesis of highly crystalline polyaniline nanoparticles by simple chemical route. <i>Materials Letters</i> , 2015, 161, 372-374.	1.3	21
18	Effect of dietary spices on the pitting behavior of stainless steel orthodontic bands. <i>Materials Letters</i> , 2011, 65, 2241-2244.	1.3	15

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19	Graphene nanodiscs from electrochemical assisted micromechanical exfoliation of graphite: Morphology and supramolecular behavior. <i>Materials Express</i> , 2015, 5, 471-479.	0.2	15
20	Effect of far-field stresses and residual stresses incorporation in predicting fracture toughness of carbon nanotube reinforced yttria stabilized zirconia. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	10
21	Semi-Polycrystalline“Polyaniline Empowered Electrochemical Capacitor. <i>Energies</i> , 2022, 15, 2001.	1.6	10
22	Mechanical properties of spark plasma sintered ceria reinforced 8 mol% yttria-stabilized zirconia electrolyte. <i>Nanomaterials and Energy</i> , 2012, 1, 306-315.	0.1	9
23	Biotransformation of Citrus Waste-II: Bio-Sorbent Materials for Removal of Dyes, Heavy Metals and Toxic Chemicals from Polluted Water. <i>Processes</i> , 2021, 9, 1544.	1.3	9
24	Electrochemical, surface analytical, and spectroscopic study of passive film and pits formation on food grade ferritic stainless steel AISI“430 in aqueous acetic acid containing chloride ions. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2018, 69, 1770-1783.	0.8	5
25	Catalytic effects of CeO ₂ and carbon nanotube addition in plasma-sprayed Al ₂ O ₃ . <i>Nanomaterials and Energy</i> , 2017, 6, 29-35.	0.1	0