Arputharaj Samson Nesaraj

List of Publications by Year
in descending order

41 papers	415 citations	840776 11 h-index	794594 19 g-index
42 all docs	42 docs citations	42 times ranked	540 citing authors

#	Article	IF	Citations
1	Facile chemical fabrication of Ni doped CoAl2O4 nano-spinel photocatalysts: Physico-chemical properties and photodegradation of toxic malachite green dye under visible light. International Journal of Environmental Analytical Chemistry, 2023, 103, 1086-1106.	3.3	2
2	Investigation of carbonaceous materials electrosorption attributes and its performance for capacitive deionization process within the presence of humic acid. Environmental Science and Pollution Research, 2023, 30, 71714-71725.	5.3	2
3	Facile soft chemical synthesis and characterisation of novel cobalt doped nickel oxide based nanostructured electrode materials for electrochemical capacitors. Materials Technology, 2022, 37, 190-203.	3.0	6
4	One pot synthesis and characterisation of two dimensional tin doped strontium oxide nanostructured electrode materials for electrochemical supercapacitor applications. Materials Technology, 2022, 37, 150-160.	3.0	7
5	Component fabrication techniques for solid oxide fuel cell (SOFC) â€“ A comprehensive review and future prospects. International Journal of Green Energy, 2022, 19, 1600-1612.	3.8	12
6	Development of Perovskite Based Electrode Materials for Application in Electrochemical Supercapacitors: Present Status and Future Prospects. Asian Journal of Chemistry, 2022, 34, 497-507.	0.3	1
7	Spinel-based electrode materials for application in electrochemical supercapacitors â€“ present status and future prospects. Inorganic and Nano-Metal Chemistry, 2022, 52, 1449-1462.	1.6	8
8	Transition of Therapeutic to Toxicological Effects of Certain Plant Alkaloids: A Critical Review Based on their Forensic Perspective. Asian Journal of Chemistry, 2022, 34, 1613-1624.	0.3	0
9	Facile soft chemical synthesis and physico-chemical characterisation of ceria based novel ceramic nanocomposite electrolyte for LTSOFC application. Materials Research Innovations, 2021, 25, 155-161.	2.3	3
10	Preparative methods and recent technological applications of ceria -based nanostructured catalyst materials in chemical and other fields â€“ a review. Materials Research Innovations, 2021, 25, 276-286.	2.3	2
11	One pot chemical synthesis of ultrafine NiAl2O4 nanoparticles: physico-chemical properties and photocatalytic degradation of organic dyes under visible light irradiation. Inorganic and Nano-Metal Chemistry, 2021, 51, 910-917.	1.6	3
12	Photocatalytic Degradation of Organic, Inorganic and Microbial Pollutants Present in Water by Novel Materials: A Critical Review and Present Update. Asian Journal of Chemistry, 2021, 33, 2251-2259.	0.3	0
13	Overview of Electrode Materials Progressed for Application in Electrochemical Supercapacitors: An Update. Asian Journal of Chemistry, 2021, 33, 1039-1050.	0.3	1
14	Facile wet-chemical synthesis and evaluation of physico-chemical characteristics of novel nanocrystalline NdCoO3-based perovskite oxide as cathode for LT-SOFC applications. Bulletin of Materials Science, 2021, 44, 1.	1.7	7
15	Combustion synthesis and characterization of Ni-doped LiMn2O4 cathode nanoparticles for lithium ion battery applications. Revista Materia, 2021, 26, .	0.2	2
16	Facile Soft Chemical Synthesis and Physical Characterization of Aluminum Doped CeO2 Nanoparticles for Multiple Applications. Asian Journal of Chemistry, 2021, 33, 1519-1524.	0.3	1
17	Soft Chemical Synthesis and Physico-Chemical Characterization of Cobalt-Doped Gd₂O₃ Nanoparticles. Integrated Ferroelectrics, 2021, 221, 186-198.	0.7	2
18	Design of best performing hexagonal shaped Ag@CoS/rGO nanocomposite electrode material for electrochemical supercapacitor application. Transactions of Nonferrous Metals Society of China, 2020, 30, 2764-2774.	4.2	6

#	Article	IF	Citations
19	Facile preparation and characterization of novel manganese doped nickel oxide based nanostructured electrode materials for application in electrochemical supercapacitors. Journal of Asian Ceramic Societies, 2020, 8, 835-847.	2.3	10
20	Electrochemical performance of Bi2O3 decorated graphene nano composites for supercapacitor applications. Nano Structures Nano Objects, 2018, 15, 10-16.	3.5	40
21	Investigation on the effect of organic dye molecules on capacitive deionization of sodium sulfate salt solution using activated carbon cloth electrodes. Electrochimica Acta, 2018, 279, 24-33.	5.2	18
22	One pot reflux synthesis of reduced graphene oxide decorated with silver/cobalt oxide: A novel nano composite material for high capacitance applications. Ceramics International, 2018, 44, 20524-20530.	4.8	17
23	Review on carbon-based electrode materials for application in capacitive deionization process. International Journal of Environmental Science and Technology, 2016, 13, 2961-2976.	3.5	74
24	Chemical synthesis of Co and Mn co-doped NiO nanocrystalline materials as high-performance electrode materials for potential application in supercapacitors. Ceramics International, 2016, 42, 5001-5010.	4.8	52
25	Soft chemical synthesis and characterization of BaWO4 nanoparticles for photocatalytic removal of Rhodamine B present in water sample. Journal of Nanostructure in Chemistry, 2015, 5, 45-54.	9.1	36
26	Synthesis and Characterization of Phase Pure NiO Nanoparticles via the Combustion Route using Different Organic Fuels for Electrochemical Capacitor Applications. Journal of Electrochemical Science and Technology, 2015, 6, 16-25.	2.2	17
27	Effect of Chemically Treated / Untreated Carbon Cloth: Potential Use as Electrode Materials in the Capacitive Deionization Process of Desalination of Aqueous Salt Solution. Journal of Electrochemical Science and Technology, 2015, 6, 139-145.	2.2	10
28	Effect of Chemically Treated / Untreated Carbon Cloth: Potential Use as Electrode Materials in the Capacitive Deionization Process of Desalination of Aqueous Salt Solution. Journal of Electrochemical Science and Technology, 2015, 6, 139-145.	2.2	5
29	Synthesis and Characterization of Phase Pure NiO Nanoparticles via the Combustion Route using Different Organic Fuels for Electrochemical Capacitor Applications. Journal of Electrochemical Science and Technology, 2015, 6, 16-25.	2.2	4
30	Effect of dopants [Gd3+, Sm3+, Ca2+, Sr2+ and Ba2+] on the performance characteristics of ceria based electrolytes for application in solid oxide fuel cells. Malaysian Journal of Fundamental and Applied Sciences, 2014, 10, .	0.8	0
31	Solvothermal synthesis and characterization of silver nanoparticles. Advances in Nano Research, 2014, 2, 147-155.	0.9	1
32	Low-temperature preparation and physical characterization of doped BaCeO3 nanoparticles by chemical precipitation. International Journal of Industrial Chemistry, 2013, 4, 1.	3.1	14
33	Low temperature synthesis and thermal properties of Agâ€“Cu alloy nanoparticles. Transactions of Nonferrous Metals Society of China, 2013, 23, 128-133.	4.2	15
34	Materials and Components for Low Temperature Solid Oxide Fuel Cells â€“ an Overview. International Journal of Renewable Energy Development, 2013, 2, 87-95.	2.4	13
35	Preparation and characterization of ceria-Based electrolytes for intermediate temperature solid oxide fuel cells (IT-SOFC). Journal of the Iranian Chemical Society, 2010, 7, 564-584.	2.2	4
36	Self-propagating combustion synthesis of Pb1â^'x Sr x ZrO3 (0 â‰¤ x â‰¤ 0Â·20) ceramics and their dielectric properties. Bulletin of Materials Science, 2008, 31, 149-153.	1.7	4

#	Article	IF	Citations
37	Investigations on chemical interactions between alternate cathodes and lanthanum gallate electrolyte for Intermediate Temperature Solid Oxide Fuel Cell (ITSOFC). Journal of the Iranian Chemical Society, 2007, 4, 89-106.	2.2	8
38	Synthesis and characterization of La0.9Sr0.1Ga0.8Mg0.2O3-Î´ electrolyte for intermediate temperature solid oxide fuel cells (ITSOFC). Ionics, 2004, 10, 93-98.	2.4	4
39	Facile synthesis and electrochemical evaluation characteristics of NiO-CeO₂ based inorganic nanocomposite anode material for application in LTSOFC. Inorganic and Nano-Metal Chemistry, 0, , 1-10.	1.6	0
40	One pot facile chemical synthesis of Mn doped ZnAl₂O₄ nanostructured spinel materials for efficient photocatalytic degradation of malachite green dye under visible light irradiation. Inorganic and Nano-Metal Chemistry, 0, , 1-13.	1.6	2
41	Facile chemical synthesis and electrochemical studies of CNO-CGO nanocomposite electrolytes for LTSOFC application. Journal of the Australian Ceramic Society, 0, , 1.	1.9	0