

# Arputharaj Samson Nesaraj

## List of Publications by Year in descending order

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41  
papers

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840776

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42  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Electrochemical performance of Bi <sub>2</sub> O <sub>3</sub> decorated graphene nano composites for supercapacitor applications. Nano Structures Nano Objects, 2018, 15, 10-16.	3.5	40
4	Soft chemical synthesis and characterization of BaWO <sub>4</sub> nanoparticles for photocatalytic removal of Rhodamine B present in water sample. Journal of Nanostructure in Chemistry, 2015, 5, 45-54.	9.1	36
5	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
6	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
7	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
8	Low temperature synthesis and thermal properties of Ag-Cu alloy nanoparticles. Transactions of Nonferrous Metals Society of China, 2013, 23, 128-133.	4.2	15
9	Low-temperature preparation and physical characterization of doped BaCeO <sub>3</sub> nanoparticles by chemical precipitation. International Journal of Industrial Chemistry, 2013, 4, 1.	3.1	14
10	Materials and Components for Low Temperature Solid Oxide Fuel Cells – an Overview. International Journal of Renewable Energy Development, 2013, 2, 87-95.	2.4	13
11	Component fabrication techniques for solid oxide fuel cell (SOFC) – A comprehensive review and future prospects. International Journal of Green Energy, 2022, 19, 1600-1612.	3.8	12
12	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
13	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
14	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
15	Spinel-based electrode materials for application in electrochemical supercapacitors – present status and future prospects. Inorganic and Nano-Metal Chemistry, 2022, 52, 1449-1462.	1.6	8
16	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
17	Facile wet-chemical synthesis and evaluation of physico-chemical characteristics of novel nanocrystalline NdCoO <sub>3</sub> -based perovskite oxide as cathode for LT-SOFC applications. Bulletin of Materials Science, 2021, 44, 1.	1.7	7
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Synthesis and characterization of La <sub>0.9</sub> Sr <sub>0.1</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> electrolyte for intermediate temperature solid oxide fuel cells (ITSOFC). Ionics, 2004, 10, 93-98.	2.4	4
22	Self-propagating combustion synthesis of Pb <sub>1-x</sub> Sr <sub>x</sub> ZrO <sub>3</sub> (0 ≤ x ≤ 0.20) ceramics and their dielectric properties. Bulletin of Materials Science, 2008, 31, 149-153.	1.7	4
23	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
24	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
25	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
26	One pot chemical synthesis of ultrafine NiAl <sub>2</sub> O <sub>4</sub> 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
27	Preparative methods and recent technological applications of ceria-based nanostructured catalyst materials in chemical and other fields – a review. Materials Research Innovations, 2021, 25, 276-286.	2.3	2
28	Facile chemical fabrication of Ni doped CoAl <sub>2</sub> O <sub>4</sub> 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
29	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
30	Combustion synthesis and characterization of Ni-doped LiMn <sub>2</sub> O <sub>4</sub> cathode nanoparticles for lithium ion battery applications. Revista Materia, 2021, 26, .	0.2	2
31	One pot facile chemical synthesis of Mn doped ZnAl <sub>2</sub> O <sub>4</sub> 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
32	Soft Chemical Synthesis and Physico-Chemical Characterization of Cobalt-Doped Gd <sub>2</sub> O <sub>3</sub> Nanoparticles. Integrated Ferroelectrics, 2021, 221, 186-198.	0.7	2
33	Overview of Electrode Materials Progressed for Application in Electrochemical Supercapacitors: An Update. Asian Journal of Chemistry, 2021, 33, 1039-1050.	0.3	1
34	Facile Soft Chemical Synthesis and Physical Characterization of Aluminum Doped CeO <sub>2</sub> Nanoparticles for Multiple Applications. Asian Journal of Chemistry, 2021, 33, 1519-1524.	0.3	1
35	Solvothermal synthesis and characterization of silver nanoparticles. Advances in Nano Research, 2014, 2, 147-155.	0.9	1
36	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

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37	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
38	Effect of dopants [Gd <sup>3+</sup> , Sm <sup>3+</sup> , Ca <sup>2+</sup> , Sr <sup>2+</sup> and Ba <sup>2+</sup> ] 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
39	Facile synthesis and electrochemical evaluation characteristics of NiO-CeO <sub>2</sub> based inorganic nanocomposite anode material for application in LTSOFC. Inorganic and Nano-Metal Chemistry, 0, , 1-10.	1.6	0
40	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
41	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