



## S.T. Nishanthi

Scientist @  
CSIR-CECRI  
, Karaikudi

Materials for Energy Harvesting and Ener...  
Supercapacitors  
Lithium ion batteries

	All	Since 2015
Citations	430	401
h-index	13	13
i10-index	16	16

TITLE	CITED BY	YEAR
<a href="#">Utilization of waste coir fibre architecture to synthesize porous graphene oxide and their derivatives: An efficient energy storage material</a> KK Yadav, H Singh, S Rana, H Sammi, ST Nishanthi, R Wadhwa, N Khan, ... Journal of Cleaner Production 276, 124240	1	2020
<a href="#">Elucidate the pseudocapacitive behaviour of CuWO<sub>4</sub> electrode synthesized by solid-state reaction</a> V Balasubramanian, S Kannan, ST Nishanthi, G Sivakumar, K Mohanraj JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS		2020
<a href="#">2D materials–based flexible supercapacitors for high energy storage devices</a> A Arulraj, ST Nishanthi Nanostructured, Functional, and Flexible Materials for Energy Conversion and ...		2020
<a href="#">Synthesis of graphene nanosheets using Camellia sinensis and its electrochemical behavior for energy storage application</a> JC Selvakumari, ST Nishanthi, J Dhanalakshmi, M Ahila, DP Padiyan Materials Chemistry and Physics 239, 122001	1	2020
<a href="#">Design of process for stabilization of La<sub>2</sub>NiMnO<sub>6</sub> nanorods and their magnetic properties</a> VM Gaikwad, KK Yadav, S Chakraverty, SE Lofland, KV Ramanujachary, ... Journal of Magnetism and Magnetic Materials 492, 165652	4	2019
<a href="#">Metal-free visible light photocatalytic carbon nitride quantum dots as efficient antibacterial agents: An insight study</a> P Yadav, ST Nishanthi, B Purohit, A Shanavas, K Kailasam Carbon 152, 587-597	17	2019
<a href="#">Visible Light Photocatalytic Degradation of Environmental Pollutants Using Metal Oxide Semiconductors</a> ST Nishanthi Photocatalytic Functional Materials for Environmental Remediation, 41-67		2019
<a href="#">Nanostructured CeO<sub>2</sub>/FeO<sub>3</sub>/Mn-rGO composite as anode material in Li-ion battery</a> KO Ogunniran, G Murugadoss, R Thangamuthu, ST Nishanthi Journal of Alloys and Compounds 786, 873-883	2	2019
<a href="#">New sustainable and environmental friendly process of synthesis of highly porous Mo<sub>2</sub>S<sub>3</sub> nanoflowers in cooking oil and their electrochemical properties</a> ST Nishanthi, KK Yadav, A Baruah, AK Ganguli, M Jha Electrochimica Acta 300, 177-185	3	2019

TITLE	CITED BY	YEAR
<a href="#">New approach for the transformation of metallic waste into nanostructured Fe<sub>3</sub>O<sub>4</sub> and SnO<sub>2</sub>-Fe<sub>3</sub>O<sub>4</sub> heterostructure and their application in treatment of organic pollutant</a> MM Devi, H Singh, K Kaur, A Gupta, ST Nishanthi, C Bera, AK Ganguli, ... Waste Management 87, 719-730	6	2019
<a href="#">Influence of film thickness variation on the photo electrochemical cell performances of Ag<sub>3</sub>SbS<sub>3</sub> thin films</a> T Daniel, ST Nishanthi, K Mohanraj, G Sivakumar Vacuum 161, 138-142	3	2019
<a href="#">New low temperature environmental friendly process for the synthesis of tetragonal MoO<sub>2</sub> and its field emission properties</a> ST Nishanthi, A Baruah, KK Yadav, D Sarker, S Ghosh, AK Ganguli, ... Applied Surface Science 467, 1148-1156	11	2019
<a href="#">Nanostructured silver decorated hollow silica and their application in the treatment of microbial contaminated water at room temperature</a> ST Nishanthi, KK Yadav, A Baruah, K Vaghasiya, RK Verma, AK Ganguli, ... New Journal of Chemistry 43 (23), 8993-9001	4	2019
<a href="#">Visible-Light Heterogeneous Catalysts for Photocatalytic CO<sub>2</sub> Reduction</a> S Boddu, ST Nishanthi, K Kailasam Visible Light-Active Photocatalysis: Nanostructured Catalyst Design ...	2	2018
<a href="#">Bio-active synthesis of tin oxide nanoparticles using eggshell membrane for energy storage application</a> JC Selvakumari, ST Nishanthi, J Dhanalakshmi, M Ahila, DP Padiyan Applied Surface Science 441, 530-537	11	2018
<a href="#">Visible Light Induced Nickel-Catalyzed Negishi Cross-Coupling. A New Approach to Photosensitizer free Photocatalysis</a> JA M Gomez, A Fontana, Antonio de la Hoz, I Abdiaj WILEY-VCH	1	2018
<a href="#">Bio-active synthesis of tin oxide nanoparticles using eggshell membrane for energy storage application</a> J Celina Selvakumari, ST Nishanthi, J Dhanalakshmi, M Ahila, ... ApSS 441, 530-537	3	2018
<a href="#">Role of hydrothermal temperature on crystallinity, photoluminescence, photocatalytic and gas sensing properties of TiO<sub>2</sub> nanoparticles</a> M Malligavathy, S Iyyapushpam, ST Nishanthi, DP Padiyan Pramana 90 (4), 44	5	2018
<a href="#">Photoreduction synthesis of silver on Bi<sub>2</sub>O<sub>3</sub>/TiO<sub>2</sub> nanocomposites and their catalytic activity for the degradation of methyl orange</a> M Malligavathy, S Iyyapushpam, ST Nishanthi, DP Padiyan Journal of Materials Science: Materials in Electronics 28 (24), 18307-18321	14	2017
<a href="#">Remarkable catalytic activity of Bi<sub>2</sub>O<sub>3</sub>/TiO<sub>2</sub> nanocomposites prepared by hydrothermal method for the degradation of methyl orange</a> M Malligavathy, S Iyyapushpam, ST Nishanthi, DP Padiyan Journal of Nanoparticle Research 19 (4), 144	17	2017

TITLE	CITED BY	YEAR
<a href="#">Investigation of oxygen vacancies in Ce coupled TiO<sub>2</sub> nanocomposites by Raman and PL spectra</a> J Dhanalakshmi, S Iyyapushpam, ST Nishanthi, M Malligavathy, ... Advances in Natural Sciences: Nanoscience and Nanotechnology 8 (1), 015015	39	2017
<a href="#">Optimising the crystallinity of anatase TiO<sub>2</sub> nanospheres for the degradation of Congo red dye</a> M Malligavathy, S Iyyapushpam, ST Nishanthi, DP Padiyan Journal of Experimental Nanoscience 11 (13), 1074-1086	8	2016
<a href="#">Synthesis of <math>\beta</math>-Bi<sub>2</sub>O<sub>3</sub> towards the application of photocatalytic degradation of methyl orange and its instability</a> S Iyyapushpam, ST Nishanthi, DP Padiyan Journal of Physics and Chemistry of Solids 81, 74-78	20	2015
<a href="#">Enhancement in hydrogen generation using bamboo like TiO<sub>2</sub> nanotubes fabricated by a modified two-step anodization technique</a> ST Nishanthi, B Sundarakannan, E Subramanian, DP Padiyan Renewable Energy 77, 300-307	13	2015
<a href="#">Plasmonic silver nanoparticles loaded titania nanotube arrays exhibiting enhanced photoelectrochemical and photocatalytic activities</a> ST Nishanthi, S Iyyapushpam, B Sundarakannan, E Subramanian, ... Journal of Power Sources 274, 885-893	21	2015
<a href="#">An insight into the influence of morphology on the photoelectrochemical activity of TiO<sub>2</sub> nanotube arrays</a> ST Nishanthi, E Subramanian, B Sundarakannan, DP Padiyan Solar Energy Materials and Solar Cells 132, 204-209	31	2015
<a href="#">Significance of crystallinity on the photoelectrochemical and photocatalytic activity of TiO<sub>2</sub> nanotube arrays</a> ST Nishanthi, S Iyyapushpam, B Sundarakannan, E Subramanian, ... Applied surface science 313, 449-454	24	2014
<a href="#">Enhanced photocatalytic degradation of methyl orange by gamma Bi<sub>2</sub>O<sub>3</sub> and its kinetics</a> S Iyyapushpam, ST Nishanthi, DP Padiyan Journal of alloys and compounds 601, 85-87	34	2014
<a href="#">Inter-relationship between extent of anatase crystalline phase and photocatalytic activity of TiO<sub>2</sub> nanotubes prepared by anodization and annealing method</a> ST Nishanthi, S Iyyapushpam, B Sundarakannan, E Subramanian, ... Separation and Purification Technology 131, 102-107	17	2014
<a href="#">Degradation of methyl orange using bismuth oxide</a> S Iyyapushpam, ST Nishanthi, DP Padiyan International Conference on Advanced Nanomaterials & Emerging Engineering ...		2013
<a href="#">Role of water content in anodization of titanium to fabricate TiO<sub>2</sub> nanotubes and its properties</a> ST Nishanthi, S Iyyapushpam, DP Padiyan International Conference on Advanced Nanomaterials & Emerging Engineering ...	2	2013

TITLE	CITED BY	YEAR
<a href="#">Photocatalytic degradation of methyl orange using <math>\alpha</math>-Bi<sub>2</sub>O<sub>3</sub> prepared without surfactant</a> S Iyyapushpam, ST Nishanthi, DP Padiyan Journal of alloys and compounds 563, 104-107	63	2013
<a href="#">Influence of annealing on the photoconversion efficiency of titania nanotube arrays</a> DP Padiyan, N ST Transactions of the Materials Research Society of Japan 38 (1), 127-130	3	2013
<a href="#">Synthesis of phase pure BiDyO<sub>3</sub> and its structural characterization</a> S Iyyapushpam, ST Nishanthi, DP Padiyan AIP Conference Proceedings 1512 (1), 274-275		2013
<a href="#">Remarkable role of annealing time on anatase phase titania nanotubes and its photoelectrochemical response</a> ST Nishanthi, DH Raja, E Subramanian, DP Padiyan Electrochimica Acta 89, 239-245	19	2013
<a href="#">Synthesis of room temperature bismuth oxide and its photocatalytic activity</a> S Iyyapushpam, ST Nishanthi, DP Padiyan Materials letters 86, 25-27	31	2012
<a href="#">Elucidate the pseudocapacitive behaviour of CuWO</a> V Balasubramanian, S Kannan, ST Nishanthi, G Sivakumar, K Mohanraj		
<a href="#">Photoelectrochemical performances of tio2 nanotube arrays of Various morphologies and its photocatalytic activity</a> ST Nishanthi Tirunelveli		