Manas Roy

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/11910081/publications.pdf

Version: 2024-02-01

22	975	516710 16	677142 22
papers	citations	h-index	g-index

25	25	25	1424
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Heavily nitrogen doped, graphene supercapacitor from silk cocoon. Electrochimica Acta, 2015, 160, 244-253.	5.2	172
2	Water soluble carbon nano-onions from wood wool as growth promoters for gram plants. Nanoscale, 2012, 4, 7670.	5.6	126
3	Seed treatment with iron pyrite (FeS₂) nanoparticles increases the production of spinach. RSC Advances, 2014, 4, 58495-58504.	3.6	122
4	Carbon Nano-Onions as Nontoxic and High-Fluorescence Bioimaging Agent in Food Chainâ€"An <I>In Vivo</I> Study from Unicellular <I>E. coli</I> to Multicellular <I>C. elegans</I>. Materials Express, 2012, 2, 105-114.	0.5	79
5	Nano-iron pyrite seed dressing: a sustainable intervention to reduce fertilizer consumption in vegetable (beetroot, carrot), spice (fenugreek), fodder (alfalfa), and oilseed (mustard, sesamum) crops. Nanotechnology for Environmental Engineering, 2016, 1, 1.	3.3	65
6	Carbondioxide Gating in Silk Cocoon. Biointerphases, 2012, 7, 45.	1.6	53
7	Nanoceria based electrochemical sensor for hydrogen peroxide detection. Biointerphases, 2014, 9, 031011.	1.6	51
8	Cerium oxide nanoparticles promote neurogenesis and abrogate hypoxia-induced memory impairment through AMPK–PKC–CBP signaling cascade. International Journal of Nanomedicine, 2016, 11, 1159.	6.7	45
9	Review of Graphitic Carbon Nitride and Its Composite Catalysts for Selective Reduction of CO₂. ACS Applied Nano Materials, 2021, 4, 12845-12890.	5.0	37
10	Iron pyrite, a potential photovoltaic material, increases plant biomass upon seed pretreatment. Materials Express, 2014, 4, 23-31.	0.5	36
11	Graphene oxide from silk cocoon: a novel magnetic fluorophore for multi-photon imaging. 3 Biotech, 2014, 4, 67-75.	2.2	31
12	Nano iron pyrite (FeS₂) exhibits bi-functional electrode character. RSC Advances, 2016, 6, 16859-16867.	3.6	30
13	The seed stimulant effect of nano iron pyrite is compromised by nano cerium oxide: regulation by the trace ionic species generated in the aqueous suspension of iron pyrite. RSC Advances, 2016, 6, 67029-67038.	3.6	21
14	Reusable palladium nanoparticles in one-pot domino Sonogashira-cyclization: regio- and stereo-selective syntheses of (Z)-3-methyleneisoindoline-1-ones and furo[3,2- h]quinolines in water. Tetrahedron Letters, 2016, 57, 43-47.	1.4	21
15	Non-Toxicity of Water Soluble Multi-Walled Carbon Nanotube on Escherichia-coli Colonies. Journal of Nanoscience and Nanotechnology, 2012, 12, 1754-1759.	0.9	19
16	Nanodomain cubic cuprous oxide as reusable catalyst in one-pot synthesis of 3-alkyl/aryl-3-(pyrrole-2-yl/indole-3-yl)-2-phenyl-2,3-dihydro-isoindolinones in aqueous medium. RSC Advances, 2014, 4, 7024.	3.6	19
17	Nanodomain cubic copper (I) oxide as reusable catalyst for the synthesis of amides by amidation of aryl halides with isocyanides. Tetrahedron Letters, 2015, 56, 623-626.	1.4	14
18	Soft magnetic memory of silk cocoon membrane. Scientific Reports, 2016, 6, 29214.	3.3	11

#	Article	IF	Citations
19	Cubic nano-copper(I) oxides as reusable catalyst in consecutive decarboxylative C H arylation and carbonylation: rapid synthesis of carbonyl dibenzofurans. Tetrahedron Letters, 2016, 57, 4956-4960.	1.4	7
20	An eco-friendly, low-power charge storage device from bio-tolerable nano cerium oxide electrodes for bioelectrical and biomedical applications. Biomedical Physics and Engineering Express, 2018, 4, 025041.	1.2	6
21	Glucose Stabilized Magnetic Palladium Nanoparticles Exhibiting Enhanced Magnetic Properties Under Exposure to Hydrogen. Materials Express, 2012, 2, 275-284.	0.5	5
22	Presence of stable carbon centric free radicals and ferromagnetic elements in the antennae and the wings of nocturnal silk moth: A magnetic nanostructure for magneto sensing. Materials Express, 2013, 3, 43-50.	0.5	5