

Sumanta Jana

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8581653/publications.pdf>

Version: 2024-02-01

23
papers

487
citations

759055

12
h-index

677027

22
g-index

23
all docs

23
docs citations

23
times ranked

882
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of SnO ₂ /Fe ₂ O ₃ , SnO ₂ /Fe ₂ O ₃ PB Heterostructure Thin Films: Enhanced Photodegradation and Peroxide Sensing. ACS Applied Materials & Interfaces, 2014, 6, 15832-15840.	4.0	51
2	Fabrication of stable NiO/Fe ₂ O ₃ heterostructure: A versatile hybrid material for electrochemical sensing of glucose, methanol and enhanced photodecomposition and/photoreduction of water contaminants. Applied Catalysis B: Environmental, 2018, 232, 26-36.	10.8	45
3	Photocatalytic degradation of organic dye on porous iron sulfide film surface. Journal of Colloid and Interface Science, 2013, 393, 286-290.	5.0	39
4	Nickel oxide thin film from electrodeposited nickel sulfide thin film: peroxide sensing and photo-decomposition of phenol. Dalton Transactions, 2014, 43, 13096-13104.	1.6	39
5	Precursor-driven selective synthesis of hexagonal chalcocite (Cu ₂ S) nanocrystals: structural, optical, electrical and photocatalytic properties. New Journal of Chemistry, 2014, 38, 4774-4782.	1.4	38
6	Photocatalytic activity of galvanically synthesized nanostructure SnO ₂ thin films. Journal of Alloys and Compounds, 2014, 602, 42-48.	2.8	31
7	Impact of annealing on the electrodeposited WS ₂ thin films: Enhanced photodegradation of coupled semiconductor. Applied Surface Science, 2014, 317, 154-159.	3.1	31
8	Cathodic and anodic deposition of FeS ₂ thin films and their application in electrochemical reduction and amperometric sensing of H ₂ O ₂ . Electrochimica Acta, 2013, 94, 7-15.	2.6	26
9	A new pyrazolyl dithioate function in the precursor for the shape controlled growth of CdS nanocrystals: optical and photocatalytic activities. New Journal of Chemistry, 2015, 39, 9487-9496.	1.4	24
10	Effect of annealing on structural and optical properties of diamond-like nanocomposite thin films. Applied Physics A: Materials Science and Processing, 2014, 114, 965-972.	1.1	22
11	Fabrication of a new heterostructure Au/Pt/SnO ₂ : An excellent catalyst for fast reduction of para-nitrophenol and visible light assisted photodegradation of dyes. Materials Research Bulletin, 2021, 141, 111351.	2.7	21
12	Facile synthesis of nickel oxide thin films from PVP encapsulated nickel sulfide thin films: an efficient material for electrochemical sensing of glucose, hydrogen peroxide and photodegradation of dye. New Journal of Chemistry, 2017, 41, 14985-14994.	1.4	18
13	Electrodeposited polymer encapsulated nickel sulphide thin films: frequency switching material. Applied Surface Science, 2014, 300, 154-158.	3.1	13
14	Synthesis, characterization and electrocatalytic activity of SnO ₂ , Pt/SnO ₂ thin films for methanol oxidation. Chemical Physics, 2014, 439, 44-48.	0.9	12
15	Tetra- and poly-nuclear Cd(II) complexes of an N ₃ O ₄ Schiff base ligand: crystal structures, electrical conductivity and photoswitching properties. New Journal of Chemistry, 2020, 44, 14733-14743.	1.4	12
16	Electrochemical synthesis of FeS ₂ thin film: An effective material for peroxide sensing and terephthalic acid degradation. Journal of Alloys and Compounds, 2015, 646, 893-899.	2.8	10
17	Enhanced photocatalytic activity of ternary CuInS ₂ nanocrystals synthesized from the combination of a binary Cu(I)S precursor and InCl ₃ . Journal of Nanoparticle Research, 2018, 20, 1.	0.8	10
18	Single-source mediated facile electrosynthesis of p-Cu ₂ S thin films on TCO (SnO ₂ :F) with enhanced photocatalytic activities. RSC Advances, 2015, 5, 52235-52242.	1.7	9

#	ARTICLE	IF	CITATIONS
19	A pyrazolyl-based thiolato single-source precursor for the selective synthesis of isotropic copper-deficient copper(I) sulfide nanocrystals: synthesis, optical and photocatalytic activity. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	9
20	Photo-induced exciton generation in polyvinylpyrrolidone encapsulated Ag ₂ S core-shells: Electrochemical deposition, regular shape and high order of particle size distribution. Journal of Applied Physics, 2012, 112, 124324.	1.1	8
21	An experimental and theoretical exploration of supramolecular interactions and photoresponse properties of two Ni(<i>scp</i>) complexes. New Journal of Chemistry, 2021, 45, 12108-12119.	1.4	8
22	A new strategy to fabricate SnS-SnO ₂ heterostructure with excellent photoresponse and charge transport properties: Efficient photocatalyst for fast photoreduction of Cr(VI). Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 275, 115520.	1.7	8
23	Electrodeposition of polymer encapsulated cobalt sulfide thin films: search for a frequency switching material. Materials Letters, 2013, 109, 51-54.	1.3	3