

Madjid Arab

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

779
citations

17
h-index

26
g-index

50
ext. papers

892
ext. citations

4.2
avg, IF

3.77
L-index

#	Paper	IF	Citations
47	Investigation of Elastic Properties of WO ₃ Thin Films Supported on Quartz in Surface Acoustic Wave Sensing Devices. <i>Electronic Materials</i> , 2022 , 3, 124-135	0.8	0
46	CO ₂ Electroreduction over Metallic Oxide, Carbon-Based, and Molecular Catalysts: A Mini-Review of the Current Advances. <i>Catalysts</i> , 2022 , 12, 450	4	1
45	New cation deficient scheelites (Sr,Ce) _n WO ₄ (n. <i>Journal of Solid State Chemistry</i> , 2021 , 296, 121981	3.3	0
44	Voltammetric Sensor Based on Molecularly Imprinted Chitosan-Carbon Nanotubes Decorated with Gold Nanoparticles Nanocomposite Deposited on Boron-Doped Diamond Electrodes for Catechol Detection. <i>Materials</i> , 2020 , 13,	3.5	16
43	Effect of morphology and temperature treatment control on the photocatalytic and photoluminescence properties of SrWO ₃ crystals. <i>Photochemical and Photobiological Sciences</i> , 2020 , 19, 235-250	4.2	6
42	Structural and electrical properties of cerium tungstate: Application to methane conversion. <i>Ceramics International</i> , 2020 , 46, 8021-8030	5.1	9
41	Shape dependence of photosensitive properties of WO ₃ oxide for photocatalysis under solar light irradiation. <i>Applied Surface Science</i> , 2019 , 483, 313-323	6.7	25
40	Identifying the Stoichiometry of Metal/Ligand Complex by Coupling Spectroscopy and Modelling: a Comprehensive Study on Two Fluorescent Molecules Specific to Lead. <i>Journal of Fluorescence</i> , 2019 , 29, 933-943	2.4	2
39	Luminescent properties under X-ray excitation of Ba(1-x)PbxWO ₄ disordered solid solution. <i>Journal of Solid State Chemistry</i> , 2018 , 258, 146-155	3.3	11
38	Catalytic properties of Sr(1-x)CexWO ₄ : The role of mixed conduction in methane oxidation. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 15918-15930	6.7	7
37	Synthesis, characterization and luminescent properties of Sr(1-x)PbxWO ₄ solid solution (x=0, 0.5 and 1). <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 186, 012024	0.4	
36	Morphological and structural investigation of SrWO ₄ microcrystals in relationship with the electrical impedance properties. <i>CrystEngComm</i> , 2017 , 19, 5008-5021	3.3	8
35	SrCe ₂ WO ₈ : a new modulated ternary scheelite compound. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017 , 73, 466-473	1.8	5
34	A facile one step route to synthesize WO ₃ nanoplatelets for CO oxidation and photodegradation of RhB: microstructural, optical and electrical studies. <i>RSC Advances</i> , 2016 , 6, 69615-69626	3.7	18
33	Hierarchical design and control of NaCe(WO ₄) ₂ crystals: structural and optical properties. <i>CrystEngComm</i> , 2016 , 18, 6579-6593	3.3	13
32	BAW Resonator as Elastic Characterization Tools of WO ₃ Thin Films. <i>Materials Today: Proceedings</i> , 2016 , 3, 152-156	1.4	2
31	Effect of WO ₃ Nanoparticles Morphology on the Catalytic Properties. <i>Materials Today: Proceedings</i> , 2016 , 3, 230-234	1.4	10

30	Structural, vibrational and photoluminescence properties of Sr(1-x)PbxMoO4 solid solution synthesized by solid state reaction. <i>Materials Research Bulletin</i> , 2016 , 79, 121-132	5.1	16
29	Highly sensitive electrochemical biosensor for bisphenol A detection based on a diazonium-functionalized boron-doped diamond electrode modified with a multi-walled carbon nanotube-tyrosinase hybrid film. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 830-5	11.8	89
28	Influence of chemical substitution on the photoluminescence of Sr(1-x)PbxWO4 solid solution. <i>Journal of Solid State Chemistry</i> , 2015 , 227, 186-195	3.3	17
27	Structural, vibrational study and UV photoluminescence properties of the system Bi(2-x)Lu(x)WO6 (0.1 ≤ x ≤ 1). <i>RSC Advances</i> , 2015 , 5, 96242-96252	3.7	14
26	Rietveld refinements, impedance spectroscopy and phase transition of the polycrystalline ZnMoO4 ceramics. <i>Ceramics International</i> , 2015 , 41, 15193-15201	5.1	18
25	One-Step Fabrication of Electrospun Photo-Cross-Linkable Polymer Nanofibers Incorporating Multiwall Carbon Nanotubes and Enzyme for Biosensing. <i>Journal of the Electrochemical Society</i> , 2015 , 162, B275-B281	3.9	22
24	Structural, vibrational and luminescence properties of the (1-x)CaWO4-xCdWO4 system. <i>Journal of Solid State Chemistry</i> , 2014 , 219, 127-137	3.3	22
23	Monoclinic superstructure in orthorhombic Ce10W22O81 from transmission electron microscopy. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014 , 70, 268-74	1.8	8
22	LaNi0.3Co0.7O3-δ and SrFe0.2Co0.8O3-δ Ceramic Materials: Structural and Catalytic Reactivity under CO Stream. <i>Catalysts</i> , 2014 , 4, 77-88	4	4
21	Strontium and cerium tungstate materials SrWO4 and Ce2(WO4)3: Methane oxidation and mixed conduction. <i>Catalysis Today</i> , 2013 , 208, 35-41	5.3	20
20	Multifunctional rare earth or bismuth oxide materials for catalytic or electrical applications. <i>MATEC Web of Conferences</i> , 2013 , 5, 01001	0.3	
19	The Production of CNT Flower-Like Structures with 3-Fold and 4-Fold Symmetries on a Pt/Si Substrate. <i>Advances in Chemical Engineering and Science</i> , 2013 , 03, 78-81	0.4	1
18	Carbon nanotubes/ceria composite layers deposited on surface acoustic wave devices for gas detection at room temperature. <i>Thin Solid Films</i> , 2012 , 520, 4786-4791	2.2	14
17	High temperature conduction and methane conversion capability of BaCeO3 perovskite. <i>Powder Technology</i> , 2012 , 219, 186-192	5.2	23
16	Infrared spectroscopy analyses of air-CH4 or air-CO gas flows interacting with polycrystalline CeO2, La2O3 and Lu2O3 oxides. <i>Journal of Rare Earths</i> , 2012 , 30, 835-841	3.7	1
15	Electrical properties and reactivity under air/O flows of composite systems based on ceria coated carbon nanotubes. <i>Chemical Engineering Journal</i> , 2011 , 171, 272-278	14.7	4
14	Carbonatation and Decarbonatation Kinetics in the La2O3-La2O2CO3 System under CO2 Gas Flows. <i>Advances in Materials Science and Engineering</i> , 2010 , 2010, 1-6	1.5	35
13	Temperature Dependent Electrical Properties and Catalytic Activities of La2O3/CeO2/H2O Phase System. <i>Advances in Materials Science and Engineering</i> , 2009 , 2009, 1-4	1.5	5

12	Complete supramolecular self-assembled adlayer on a silicon surface at room temperature. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6670-1	16.4	38
11	Nondestructive room-temperature adsorption of 2,4,6-tri(2Rthienyl)-1,3,5-triazine on a Si-B interface: high-resolution STM imaging and molecular modeling. <i>Physical Review Letters</i> , 2008 , 100, 076403	7.4	28
10	Room-temperature electronic template effect of the SmSi(111)-8x2 interface for self-alignment of organic molecules. <i>ChemPhysChem</i> , 2008 , 9, 1437-41	3.2	19
9	Adsorption of an organic zwitterion on a Si(1 1 1)-7 × 7 surface at room temperature. <i>Surface Science</i> , 2008 , 602, 2719-2723	1.8	14
8	A stable room-temperature molecular assembly of zwitterionic organic dipoles guided by a Si(111)-7x7 template effect. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 9287-90	16.4	30
7	A Stable Room-Temperature Molecular Assembly of Zwitterionic Organic Dipoles Guided by a Si(111)-7 × 7 Template Effect. <i>Angewandte Chemie</i> , 2007 , 119, 9447-9450	3.6	9
6	Characterization of single wall carbon nanotubes by means of rare gas adsorption. <i>Journal of Chemical Physics</i> , 2007 , 126, 054709	3.9	12
5	Determination of the single wall carbon nanotube opening ratio by means of rare gas adsorption. <i>Chemical Physics Letters</i> , 2006 , 423, 183-186	2.5	8
4	Direct growth of the multi-walled carbon nanotubes as a tool to detect ammonia at room temperature. <i>Chemical Physics Letters</i> , 2006 , 433, 175-181	2.5	52
3	Gas-induced variation in the dielectric properties of carbon nanotube bundles for selective sensing. <i>Journal of Applied Physics</i> , 2005 , 97, 114316	2.5	37
2	Influence of molecular adsorption on the dielectric properties of a single wall nanotube: a model sensor. <i>Journal of Chemical Physics</i> , 2004 , 121, 9655-65	3.9	41
1	Enhancement of exciton emission from ZnO nanocrystalline films by pulsed laser annealing. <i>Applied Surface Science</i> , 2004 , 226, 242-248	6.7	43