

Madjid Arab

List of Publications by Year in descending order

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47
papers

992
citations

411340

20
h-index

511568

30
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50
all docs

50
docs citations

50
times ranked

1454
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.9	2
2	CO ₂ Electroreduction over Metallic Oxide, Carbon-Based, and Molecular Catalysts: A Mini-Review of the Current Advances. <i>Catalysts</i> , 2022, 12, 450.	1.6	14
3	New cation deficient scheelites (Sr,Ce) _n WO ₄ (n<1): Structural and optical properties. <i>Journal of Solid State Chemistry</i> , 2021, 296, 121981.	1.4	1
4	Effect of morphology and temperature treatment control on the photocatalytic and photoluminescence properties of SrWO ₄ crystals. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 235-250.	1.6	9
5	Structural and electrical properties of cerium tungstate: Application to methane conversion. <i>Ceramics International</i> , 2020, 46, 8021-8030.	2.3	15
6	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, 688.	1.3	28
7	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.	1.3	3
8	Shape dependence of photosensitive properties of WO ₃ oxide for photocatalysis under solar light irradiation. <i>Applied Surface Science</i> , 2019, 483, 313-323.	3.1	41
9	Luminescent properties under X-ray excitation of Ba(1-x)Pb _x WO ₄ disordered solid solution. <i>Journal of Solid State Chemistry</i> , 2018, 258, 146-155.	1.4	13
10	Catalytic properties of Sr(1-x)Ce _x WO ₄ : The role of mixed conduction in methane oxidation. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 15918-15930.	3.8	11
11	Synthesis, characterization and luminescent properties of Sr(1-x)Pb _x WO ₄ solid solution (x=0, 0.5 and 1). <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 186, 012024.	0.3	0
12	Morphological and structural investigation of SrWO ₄ microcrystals in relationship with the electrical impedance properties. <i>CrystEngComm</i> , 2017, 19, 5008-5021.	1.3	13
13	Sr _{1/2} Ce _{5/14} WO ₄ : a new modulated ternary scheelite compound. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 466-473.	0.5	6
14	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.	1.7	32
15	Hierarchical design and control of NaCe(WO ₄) ₂ crystals: structural and optical properties. <i>CrystEngComm</i> , 2016, 18, 6579-6593.	1.3	22
16	BAW Resonator as Elastic Characterization Tools of WO ₃ Thin Films. <i>Materials Today: Proceedings</i> , 2016, 3, 152-156.	0.9	2
17	Effect of WO ₃ Nanoparticles Morphology on the Catalytic Properties. <i>Materials Today: Proceedings</i> , 2016, 3, 230-234.	0.9	13
18	Structural, vibrational and photoluminescence properties of Sr(1-x)Pb _x MoO ₄ solid solution synthesized by solid state reaction. <i>Materials Research Bulletin</i> , 2016, 79, 121-132.	2.7	22

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19	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, 830-835.	5.3	110
20	Influence of chemical substitution on the photoluminescence of Sr(1-x)Pb WO4 solid solution. <i>Journal of Solid State Chemistry</i> , 2015, 227, 186-195.	1.4	21
21	Structural, vibrational study and UV photoluminescence properties of the system Bi ₂ (2-x)Lu _x WO ₆ (0.1 ≤ x ≤ 1). <i>RSC Advances</i> , 2015, 5, 96242-96252.	1.7	18
22	Rietveld refinements, impedance spectroscopy and phase transition of the polycrystalline ZnMoO ₄ ceramics. <i>Ceramics International</i> , 2015, 41, 15193-15201.	2.3	28
23	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.	1.3	27
24	LaNi _{0.3} Co _{0.7} O _{3-δ} and SrFe _{0.2} Co _{0.8} O _{3-δ} Ceramic Materials: Structural and Catalytic Reactivity under CO Stream. <i>Catalysts</i> , 2014, 4, 77-88.	1.6	9
25	Structural, vibrational and luminescence properties of the (1-x)CaWO ₄ -xCdWO ₄ system. <i>Journal of Solid State Chemistry</i> , 2014, 219, 127-137.	1.4	24
26	Monoclinic superstructure in orthorhombic Ce ₁₀ W ₂₂ O ₈₁ from transmission electron microscopy. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 268-274.	0.5	8
27	Strontium and cerium tungstate materials SrWO ₄ and Ce ₂ (WO ₄) ₃ : Methane oxidation and mixed conduction. <i>Catalysis Today</i> , 2013, 208, 35-41.	2.2	28
28	Multifunctional rare earth or bismuth oxide materials for catalytic or electrical applications. <i>MATEC Web of Conferences</i> , 2013, 5, 01001.	0.1	0
29	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.	0.2	1
30	Infrared spectroscopy analyses of air-CH ₄ or air-CO gas flows interacting with polycrystalline CeO ₂ , La ₂ O ₃ and Lu ₂ O ₃ oxides. <i>Journal of Rare Earths</i> , 2012, 30, 835-841.	2.5	1
31	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.	0.8	19
32	High temperature conduction and methane conversion capability of BaCeO ₃ perovskite. <i>Powder Technology</i> , 2012, 219, 186-192.	2.1	28
33	Characterization of WO ₃ layers deposited on quartz and lithium niobate SAW resonators for the design of gas sensors. , 2011, , .		2
34	Electrical properties and reactivity under air-CO flows of composite systems based on ceria coated carbon nanotubes. <i>Chemical Engineering Journal</i> , 2011, 171, 272-278.	6.6	4
35	Carbonatation and Decarbonatation Kinetics in the La ₂ O ₃ -La ₂ O ₂ CO ₃ System under CO ₂ Gas Flows. <i>Advances in Materials Science and Engineering</i> , 2010, 2010, 1-6.	1.0	56
36	Temperature Dependent Electrical Properties and Catalytic Activities of La ₂ O ₃ /mml:mrow> Advances in Materials Science and Engineering, 2009, 2009, 1-4.	1.0	10

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37	Room-Temperature Electronic Template Effect of the SmSi(111)- $\sqrt{2}$ Interface for Self-Alignment of Organic Molecules. <i>ChemPhysChem</i> , 2008, 9, 1437-1441.	1.0	20
38	Adsorption of an organic zwitterion on a Si(111)- $\sqrt{7}$ surface at room temperature. <i>Surface Science</i> , 2008, 602, 2719-2723.	0.8	14
39	Complete Supramolecular Self-Assembled Adlayer on a Silicon Surface at Room Temperature. <i>Journal of the American Chemical Society</i> , 2008, 130, 6670-6671.	6.6	39
40	Nondestructive Room-Temperature Adsorption of 2,4,6-tri(2-thienyl)-1,3,5-triazine on a Si-B Interface: High-Resolution STM Imaging and Molecular Modeling. <i>Physical Review Letters</i> , 2008, 100, 076405.	2.9	30
41	Characterization of single wall carbon nanotubes by means of rare gas adsorption. <i>Journal of Chemical Physics</i> , 2007, 126, 054709.	1.2	13
42	A Stable Room-Temperature Molecular Assembly of Zwitterionic Organic Dipoles Guided by a Si(111)- $\sqrt{7}$ Template Effect. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9287-9290.	7.2	32
43	Determination of the single wall carbon nanotube opening ratio by means of rare gas adsorption. <i>Chemical Physics Letters</i> , 2006, 423, 183-186.	1.2	8
44	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.	1.2	55
45	Gas-induced variation in the dielectric properties of carbon nanotube bundles for selective sensing. <i>Journal of Applied Physics</i> , 2005, 97, 114316.	1.1	38
46	Influence of molecular adsorption on the dielectric properties of a single wall nanotube: A model sensor. <i>Journal of Chemical Physics</i> , 2004, 121, 9655-9665.	1.2	42
47	Enhancement of exciton emission from ZnO nanocrystalline films by pulsed laser annealing. <i>Applied Surface Science</i> , 2004, 226, 242-248.	3.1	53