

Jose L Solis

List of Publications by Year in descending order

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51
papers

1,638
citations

331670

21
h-index

289244

40
g-index

52
all docs

52
docs citations

52
times ranked

2145
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Al, In, Cu, Fe and Sn dopants on the response of thin film ZnO gas sensor to ethanol vapour. <i>Thin Solid Films</i> , 2000, 373, 137-140.	1.8	288
2	Semiconductor gas sensors based on nanostructured tungsten oxide. <i>Thin Solid Films</i> , 2001, 391, 255-260.	1.8	224
3	Photocatalytic degradation of phenol using TiO ₂ nanocrystals supported on activated carbon. <i>Journal of Molecular Catalysis A</i> , 2005, 228, 293-298.	4.8	121
4	Nanocrystalline tungsten oxide thick-films with high sensitivity to H ₂ S at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2001, 77, 316-321.	7.8	88
5	Dye-Sensitized Solar Cells Based on Nanocrystalline TiO ₂ Films Surface Treated with Al ³⁺ Ions: A Photovoltage and Electron Transport Studies. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18483-18490.	2.6	88
6	Agrowaste derived biochars impregnated with ZnO for removal of arsenic and lead in water. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103800.	6.7	70
7	Gas Sensing Properties of Nanocrystalline WO ₃ Films Made by Advanced Reactive Gas Deposition. <i>Journal of the American Ceramic Society</i> , 2001, 84, 1504-1508.	3.8	57
8	Antibacterial Cotton Fabric Functionalized with Copper Oxide Nanoparticles. <i>Molecules</i> , 2020, 25, 5802.	3.8	53
9	Characterization of phase structures in semiconducting SnWO ₄ powders by Mössbauer and Raman spectroscopies. <i>Physical Review B</i> , 1998, 57, 13491-13500.	3.2	40
10	Infrared spectroscopy study of electrochromic nanocrystalline tungsten oxide films made by reactive advanced gas deposition. <i>Journal of Applied Physics</i> , 2001, 89, 2727-2732.	2.5	39
11	Dye-Sensitized Nanocrystalline Titanium-Oxide-Based Solar Cells Prepared by Sputtering: A Influence of the Substrate Temperature During Deposition. <i>Journal of Physical Chemistry B</i> , 2000, 104, 8712-8718.	2.6	35
12	Detecting harmful gases using fluctuation-enhanced sensing with Taguchi sensors. <i>IEEE Sensors Journal</i> , 2005, 5, 671-676.	4.7	35
13	Gas-sensing properties of Sn WO ₃ + mixed oxide thick films. <i>Sensors and Actuators B: Chemical</i> , 1998, 48, 322-327.	7.8	34
14	Blocking erythemally weighted UV radiation using cotton fabrics functionalized with ZnO nanoparticles in situ. <i>Applied Surface Science</i> , 2019, 469, 204-212.	6.1	34
15	Composites of ZnO nanoparticles and biomass based activated carbon: adsorption, photocatalytic and antibacterial capacities. <i>Water Science and Technology</i> , 2018, 2017, 492-508.	2.5	32
16	Identifying natural and artificial odours through noise analysis with a sampling-and-hold electronic nose. <i>Sensors and Actuators B: Chemical</i> , 2001, 77, 312-315.	7.8	31
17	A study of gas-sensing properties of sputtered $\hat{\pm}$ -SnWO ₄ thin films. <i>Sensors and Actuators B: Chemical</i> , 1995, 25, 591-595.	7.8	29
18	Fluctuation-enhanced multiple-gas sensing by commercial Taguchi sensors. <i>IEEE Sensors Journal</i> , 2005, 5, 1338-1345.	4.7	29

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19	SnO ₂ thin-films prepared by a spray-gel pyrolysis: Influence of sol properties on film morphologies. <i>Thin Solid Films</i> , 2007, 516, 25-33.	1.8	27
20	Thermal properties of adobe employed in Peruvian rural areas: Experimental results and numerical simulation of a traditional bio-composite material. <i>Case Studies in Construction Materials</i> , 2017, 6, 177-191.	1.7	25
21	Synthesis and characterization of rough electrochromic phosphotungstic acid films obtained by spray-gel process. <i>Solar Energy Materials and Solar Cells</i> , 2003, 80, 473-481.	6.2	22
22	Different thick-film methods in printing of one-electrode semiconductor gas sensors. <i>Sensors and Actuators B: Chemical</i> , 1996, 34, 401-406.	7.8	21
23	A study of dual conductance response to carbon monoxide of CdS and In-SnWO_4 thin films. <i>Physica Scripta</i> , 1994, T54, 248-251.	2.5	20
24	Role of Metal Ions on the Activity of Mycobacterium tuberculosis Pyrazinamidase. <i>American Journal of Tropical Medicine and Hygiene</i> , 2012, 87, 153-161.	1.4	20
25	Gas-sensing properties of different In-SnWO_4 -based thick films. <i>Physica Scripta</i> , 1997, T69, 281-285.	2.5	18
26	Characterization and butanol/ethanol sensing properties of mixed tungsten oxide and copper tungstate films obtained by spray-gel. <i>Thin Solid Films</i> , 2003, 444, 104-110.	1.8	18
27	Arsenic in Peruvian rice cultivated in the major rice growing region of Tumbes river basin. <i>Chemosphere</i> , 2020, 241, 125070.	8.2	17
28	Two Unconventional Precursors to Produce ZnCl ₂ -Based Activated Carbon for Water Treatment Applications. <i>Chemical Engineering and Technology</i> , 2018, 41, 1649-1659.	1.5	15
29	The Influence of the Ethanol-water Molar Ratio in the Precursor Solution on Morphology and Photocatalytic Activity of Pyrolytic ZnO Films. <i>Photochemistry and Photobiology</i> , 2005, 81, 783.	2.5	15
30	Synthesis of new compound semiconductors in the Sn-W-O system for gas-sensing studies. <i>Sensors and Actuators B: Chemical</i> , 2000, 68, 286-292.	7.8	13
31	In situ growth of CuO nanoparticles onto cotton textiles. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2020, 11, 025009.	1.5	12
32	In situ laser reflectometry measurements of pyrolytic ZnO film growth. <i>Measurement Science and Technology</i> , 2005, 16, 685-690.	2.6	9
33	A Comparative Study on Activated Carbons Derived from a Broad Range of Agro-industrial Wastes in Removal of Large-Molecular-Size Organic Pollutants in Aqueous Phase. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	9
34	Solar Water Disinfection Studies With Supported TiO ₂ and Polymer-Supported Ru(II) Sensitizer in a Compound Parabolic Collector. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2010, 132, .	1.8	7
35	Influence of Stipa ichu on the thermal and mechanical properties of adobe as a biocomposite material. <i>Journal of Physics: Conference Series</i> , 2020, 1433, 012003.	0.4	6
36	Green Synthesis of ZnO Nanoparticles and Their Annealing Transformation Into ZnO Nanoparticles: Characterization and Antimicrobial Activity. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 9889-9895.	0.9	5

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37	Nanopart�culas de CuO y su propiedad antimicrobiana en cepas intrahospitalarias. Revista Colombiana De Quimica, 2017, 46, 28-36.	0.4	5
38	Structure Characterization of Semiconducting Tin and Tungsten Mixed Oxides. Physica Scripta, 1999, T79, 216.	2.5	4
39	Solar Photocatalytic Decontamination of Phenol Using Pyrolytic TiO2 Films Deposited Inside Glass Tubing. Journal of Solar Energy Engineering, Transactions of the ASME, 2007, 129, 94-99.	1.8	4
40	The optimization of gamma spectra processing in prompt gamma neutron activation analysis (PGNAA). Nuclear Instruments & Methods in Physics Research B, 2009, 267, 1139-1148.	1.4	4
41	Highly porous thin films obtained by spray-gel technique. Physica Status Solidi A, 2004, 201, 2370-2374.	1.7	3
42	New ways of chemical sensing via fluctuation spectroscopy. , 2001, , .		2
43	Infrared absorption in Li-intercalated tungsten oxide. Solar Energy Materials and Solar Cells, 2007, 91, 1248-1252.	6.2	2
44	Caracterizaci�n de filtros comerciales para agua a base de carb�n activado para el tratamiento de agua del r�o Tumbes - Per�. Revista Colombiana De Quimica, 2017, 46, 37-45.	0.4	2
45	Influence of natural plasticizers derived from forestry biomass on shrimp husk chitosan films. Journal of Physics: Conference Series, 2019, 1173, 012006.	0.4	2
46	Production and characterization of activated carbon based on coffee husk residue for phosphate removal in aqueous solutions. Journal of Physics: Conference Series, 2019, 1173, 012007.	0.4	2
47	Agent-induced excess noise in commercial chemical sensors. , 2003, 5115, 211.		1
48	Bactericidal, structural and morphological properties of ZnO 2 nanoparticles synthesized under UV or ultrasound irradiation. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2014, 5, 015008.	1.5	1
49	A study of electrical and optical properties of sputtered SnO2-WO3 thin films. AIP Conference Proceedings, 1996, , .	0.4	0
50	In vivo Prompt Gamma Neutron Activation Analysis Facility for Total Body Nitrogen and Cd. AIP Conference Proceedings, 2007, , .	0.4	0
51	The CuO/ZnO and CuO/ZnO/biochar materials for water treatment. Journal of Physics: Conference Series, 2020, 1433, 012010.	0.4	0