

Sofian M Kanan

List of Publications by Year in descending order

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60
papers

2,362
citations

279798

23
h-index

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48
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62
all docs

62
docs citations

62
times ranked

3175
citing authors

#	ARTICLE	IF	CITATIONS
1	Semiconducting Metal Oxide Based Sensors for Selective Gas Pollutant Detection. <i>Sensors</i> , 2009, 9, 8158-8196.	3.8	355
2	Carbon Nanotube/Ionic Liquid Composite Sensors and Biosensors. <i>Analytical Chemistry</i> , 2009, 81, 435-442.	6.5	258
3	Recent advances on TiO ₂ -based photocatalysts toward the degradation of pesticides and major organic pollutants from water bodies. <i>Catalysis Reviews - Science and Engineering</i> , 2020, 62, 1-65.	12.9	166
4	Recent Advances in Gold and Silver Nanoparticles: Synthesis and Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 4757-4780.	0.9	155
5	Method to Double the Surface Concentration and Control the Orientation of Adsorbed (3-Aminopropyl)dimethylethoxysilane on Silica Powders and Glass Slides. <i>Langmuir</i> , 2002, 18, 6623-6627.	3.5	135
6	An Infrared Study of Adsorbed Organophosphonates on Silica: A Prefiltering Strategy for the Detection of Nerve Agents on Metal Oxide Sensors. <i>Langmuir</i> , 2001, 17, 2213-2218.	3.5	114
7	Synthesis of high surface area monoclinic WO ₃ particles using organic ligands and emulsion based methods. <i>Journal of Materials Chemistry</i> , 2002, 12, 983-989.	6.7	103
8	Identification of Surface Sites on Monoclinic WO ₃ Powders by Infrared Spectroscopy. <i>Langmuir</i> , 2002, 18, 1707-1712.	3.5	81
9	Dioxins and furans: A review from chemical and environmental perspectives. <i>Trends in Environmental Analytical Chemistry</i> , 2018, 17, 1-13.	10.3	81
10	Luminescent homoatomic exciplexes in dicyanoargentate(I) ions doped in alkali halide crystals. Exciplex tuning by site-selective excitation and variation of the dopant concentration. <i>Coordination Chemistry Reviews</i> , 2000, 208, 227-241.	18.8	70
11	Characterization of the Excited States Responsible for the Action of Silver(I)-Doped ZSM-5 Zeolites as Photocatalysts for Nitric Oxide Decomposition. <i>Journal of Physical Chemistry B</i> , 2000, 104, 3507-3517.	2.6	63
12	Synthesis, FTIR studies and sensor properties of WO ₃ powders. <i>Current Opinion in Solid State and Materials Science</i> , 2007, 11, 19-27.	11.5	56
13	Photophysical Properties of Ag(I)-exchanged Zeolite A and the Photoassisted Degradation of Malathion. <i>Journal of Physical Chemistry B</i> , 2001, 105, 7508-7516.	2.6	55
14	Dual WO ₃ based sensors to selectively detect DMMP in the presence of alcohols. <i>Talanta</i> , 2007, 72, 401-407.	5.5	51
15	A spectrofluorimetric study of the binding of carbofuran, carbaryl, and aldicarb with dissolved organic matter. <i>Analytica Chimica Acta</i> , 1998, 373, 139-151.	5.4	50
16	A Comparative Study of the Adsorption of Chloro- and Non-Chloro-Containing Organophosphorus Compounds on WO ₃ . <i>Journal of Physical Chemistry B</i> , 2002, 106, 9576-9580.	2.6	44
17	Photoluminescence and Raman Spectroscopy as Probes to Investigate Silver and Gold Dicyanide Clusters Doped in A-Zeolite and Their Photoassisted Degradation of Carbaryl. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9441-9448.	2.6	37
18	Spectroscopic Studies of Exciplex Tuning for Dicyanoaurate(I) Ions Doped in Potassium Chloride Crystals. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10058-10064.	2.6	36

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19	Photoluminescence spectroscopy as a probe of silver doped zeolites as photocatalysts. <i>Current Opinion in Solid State and Materials Science</i> , 2003, 7, 443-449.	11.5	35
20	Recent Advances in Nanocomposite Luminescent Metal-Organic Framework Sensors for Detecting Metal Ions. <i>Comments on Inorganic Chemistry</i> , 2021, 41, 1-66.	5.2	33
21	Luminescence properties of silver(I)-exchanged zeolite Y and its use as a catalyst to photodecompose carbaryl in the presence of natural organic matter. <i>Research on Chemical Intermediates</i> , 2003, 29, 691-704.	2.7	28
22	Photodecomposition of Carbaryl in the Presence of Silver-Doped Zeolite Y and Suwannee River Natural Organic Matter. <i>Environmental Science & Technology</i> , 2003, 37, 2280-2285.	10.0	28
23	Prefiltering Strategies for Metal Oxide Based Sensors: The Use of Chemical Displacers to Selectively Dislodge Adsorbed Organophosphonates from Silica Surfaces. <i>Langmuir</i> , 2002, 18, 722-728.	3.5	27
24	Silver nanoclusters doped in X and mordenite zeolites as heterogeneous catalysts for the decomposition of carbamate pesticides in solution. <i>Research on Chemical Intermediates</i> , 2006, 32, 871-885.	2.7	24
25	The photodecomposition of phosmet over UV irradiated silver nanoclusters doped in mordenite zeolite. <i>Applied Catalysis B: Environmental</i> , 2007, 74, 130-136.	20.2	24
26	A study of the effect of microwave treatment on metal zeolites and their use as photocatalysts toward naptalam. <i>Applied Catalysis B: Environmental</i> , 2011, 106, 350-358.	20.2	19
27	Infrared study of UV-irradiated tungsten trioxide powders containing adsorbed dimethyl methyl phosphonate and trimethyl phosphate. <i>Research on Chemical Intermediates</i> , 2006, 32, 613-623.	2.7	18
28	Photocatalytic UV-degradation of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in the presence of silver doped zeolite. <i>Arabian Journal of Chemistry</i> , 2019, 12, 1870-1878.	4.9	13
29	Heterogeneous Photocatalysis with Nanoclusters of 10^4 Metal Ions Doped in Zeolites. <i>Comments on Inorganic Chemistry</i> , 2015, 35, 59-81.	5.2	12
30	Photocatalysis of fenoxycarb over silver-modified zeolites. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3186-3192.	5.3	12
31	<i>Pseudomonas aeruginosa</i> in swimming pools. <i>Cogent Environmental Science</i> , 2017, 3, 1328841.	1.6	11
32	Synthesis and characterization of $(RPh_3P)_3[Bi_3I_{12}]$ ($R = Me, Ph$) iodobismuthate complexes for photocatalytic degradation of organic pollutants. <i>Research on Chemical Intermediates</i> , 2019, 45, 5919-5933.	2.7	11
33	Photocatalytic UV degradation of 2,3,7,8-tetrachlorodibenzofuran in the presence of silver zeolite. <i>Research on Chemical Intermediates</i> , 2020, 46, 1017-1032.	2.7	11
34	Lysozyme and Human Serum Albumin Proteins as Potential Nitric Oxide Cardiovascular Drug Carriers: Theoretical and Experimental Investigation. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7750-7762.	2.6	11
35	Silver nanoclusters doped in zeolite to decontaminate water resources from the quinalphos pesticide. <i>Research on Chemical Intermediates</i> , 2010, 36, 473-482.	2.7	10
36	Properties of 2-, 3-, and 4-acetylpyridine substituted ruthenium(II) bis(bipyridine) complexes: substituent effect on the electronic structure, spectra, and photochemistry of the complex. <i>Journal of Coordination Chemistry</i> , 2012, 65, 420-430.	2.2	10

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37	The Effect of Silver and Silver-Platinum Doped Into 5A Zeolite on the Degradation of Naptalam. <i>Advanced Materials Research</i> , 0, 856, 43-47.	0.3	10
38	Microplastic pollution in oyster bed ecosystems: An assessment of the northern shores of the United Arab Emirates. <i>Environmental Advances</i> , 2022, 8, 100214.	4.8	10
39	Investigating the Fluorescence Quenching of Doxorubicin in Folic Acid Solutions and Its Relation to Ligand-Targeted Nanocarriers. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 1410-1414.	0.9	9
40	Influence of AgYzeolite on the photocatalyticoxidation of pirimicarb. <i>International Journal of Environmental Engineering</i> , 2014, 6, 370.	0.1	8
41	Synthesis and characterization of porous WO 3 â€“SnO 2 nanomaterials: An infrared study of adsorbed pyridine and dimethyl methylphosphonate. <i>Vibrational Spectroscopy</i> , 2014, 75, 78-85.	2.2	8
42	FRET-based fluorescent probe for drug assay from amino acid@gold-carbon nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1117-1125.	3.7	8
43	Exceptionally redox-active precursors in the synthesis of gold core-tin oxide shell nanostructures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 616, 126266.	4.7	7
44	A Highly Selective Luminescent Sensor for Detecting Mercuric Ions in Water. <i>Australian Journal of Chemistry</i> , 2009, 62, 1593.	0.9	6
45	DFT analysis of substituent effects on electron-donating efficacy of pyridine. <i>Research on Chemical Intermediates</i> , 2015, 41, 6859-6875.	2.7	6
46	Photocatalytic degradation of profenofos using silver-platinum doped zeolite. <i>Catalysis Today</i> , 2023, 424, 112602.	4.4	6
47	The Photocatalytic Degradation of 2,3,7,8-Tetrachlorodibenzo-p-Dioxin in the Presence of Silverâ€“Titanium Based Catalysts. <i>Catalysts</i> , 2020, 10, 957.	3.5	6
48	Fabricated metal zeolites as photocatalysts for the degradation of organic pollutants. <i>Research on Chemical Intermediates</i> , 2021, 47, 433-458.	2.7	6
49	Meteorological patterns, technical validation, and chemical comparison of atmospheric dust depositions and bulk sand in the Arabian Gulf region. <i>Environmental Pollution</i> , 2021, 269, 116190.	7.5	5
50	Mixed silverâ€“zinc encapsulated zeolite-Y powders toward the photodegradation of aqueous fenoxycarb solutions. , 0, 100, 281-286.		5
51	Cyclic Voltammetry Study of Asymmetrical Trityl Di- and Trisulfides on Coated and Bare Gold Electrodes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7062-7068.	3.1	4
52	Tryptophan capped gold-aryl nanoparticles for energy transfer study with SARS-CoV-2 spike proteins. <i>Soft Materials</i> , 2022, 20, 405-413.	1.7	4
53	Bioadsorbents of heavy metals from coal mines area in Mozambique. <i>Cogent Environmental Science</i> , 2017, 3, 1355088.	1.6	2
54	Phytochemical profile and antiproliferative activities of acetone extracts of <i>Asplenium polypodioides</i> Blume. and <i>A. dalhousiae</i> Hook. in MDA-MB-231 breast cancer cells. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 6324-6331.	3.8	2

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55	An infrared study of adsorbed metal ions on modified silica: Comparative chelation between mercury, cadmium, and lead divalent ions to silica functionalized with ortho- and para-aminothiophenoles. <i>Vibrational Spectroscopy</i> , 2011, 57, 254-260.	2.2	1
56	An immediate onsite chlorine leakage disaster management plan. <i>Journal of Chemical Health and Safety</i> , 2019, 26, 9-13.	2.1	1
57	Junk food: Polymer composition of macroplastic marine debris ingested by green and loggerhead sea turtles from the Gulf of Oman. <i>Science of the Total Environment</i> , 2022, 828, 154373.	8.0	1
58	Preface to the special issue: nanomaterials, scope, synthesis, and applications. <i>Research on Chemical Intermediates</i> , 2011, 37, 673-673.	2.7	0
59	Non-invasive blood glucose measurement using transmission spectroscopy. , 2013, , .		0
60	Gibberellic Acid Content of Spinach in Relation to Photoperiod, Temperature, and Flower Induction. <i>Journal of Biologically Active Products From Nature</i> , 2018, 8, 393-406.	0.3	0