

Samia A Kosa

List of Publications by Year in descending order

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61
papers

1,894
citations

279487

23
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253896

43
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62
all docs

62
docs citations

62
times ranked

2956
citing authors

#	ARTICLE	IF	CITATIONS
1	Perovskite Solar Cells: Influence of Hole Transporting Materials on Power Conversion Efficiency. ChemSusChem, 2016, 9, 10-27.	3.6	267
2	Removal of heavy metals from aqueous solutions by multi-walled carbon nanotubes modified with 8-hydroxyquinoline. Chemical Engineering Journal, 2012, 181-182, 159-168.	6.6	253
3	Photoelectrocatalytic and photocatalytic disinfection of E. coli suspensions by titanium dioxide. Applied Catalysis B: Environmental, 2003, 41, 371-386.	10.8	183
4	Simultaneous removal of copper(II), lead(II), zinc(II) and cadmium(II) from aqueous solutions by multi-walled carbon nanotubes. Comptes Rendus Chimie, 2012, 15, 398-408.	0.2	99
5	Donor-acceptor type hole transporting materials: marked bridge effects on optoelectronic properties, solid-state structure, and perovskite solar cell efficiency. Chemical Science, 2016, 7, 6068-6075.	3.7	85
6	Photoelectrocatalytic disinfection of E. coli suspensions by iron doped TiO ₂ . Physical Chemistry Chemical Physics, 2006, 8, 398-406.	1.3	73
7	Application of nanoclay for the adsorptive removal of Orange G dye from aqueous solution. Journal of Molecular Liquids, 2017, 241, 469-477.	2.3	58
8	Effect of microwave power on the thermal genesis of Co ₃ O ₄ nanoparticles from cobalt oxalate micro-rods. Applied Surface Science, 2015, 351, 600-609.	3.1	50
9	Removal of heavy metal ions from aqueous solution by multi-walled carbon nanotubes modified with 8-hydroxyquinoline: Kinetic study. Journal of Industrial and Engineering Chemistry, 2014, 20, 572-580.	2.9	49
10	Structural and magnetic properties of Ni _{1-x} Zn _x Fe ₂ O ₄ nano-crystalline ferrites prepared via novel chitosan method. Journal of Molecular Structure, 2014, 1063, 269-273.	1.8	46
11	Understanding the Origin of the Photocatalytic CO ₂ Reduction by Au- and Cu-Loaded TiO ₂ : A Microsecond Transient Absorption Spectroscopy Study. Journal of Physical Chemistry C, 2015, 119, 6819-6827.	1.5	43
12	Anion induced azo-hydrazone tautomerism for the selective colorimetric sensing of fluoride ion. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 798-805.	2.0	41
13	Structure-property relationship of naphthalene based donor-acceptor organic dyes for dye-sensitized solar cells: remarkable improvement of open-circuit photovoltage. Journal of Materials Chemistry, 2012, 22, 22550.	6.7	39
14	Catalytic stereoselective addition to alkynes. Borylation or silylation promoted by magnesia-supported iron oxide and cis-diboronation or silaboration by supported platinum nanoparticles. Journal of Catalysis, 2015, 329, 401-412.	3.1	38
15	Design, synthesis and characterization of indole based anion sensing receptors. New Journal of Chemistry, 2015, 39, 3936-3947.	1.4	38
16	Betanin assisted synthesis of betanin@silver nanoparticles and their enhanced adsorption and biological activities. Food Chemistry, 2019, 298, 125014.	4.2	34
17	The photoelectrocatalytic oxidation of aqueous nitrophenol using a novel reactor. Journal of Applied Electrochemistry, 2005, 35, 683-692.	1.5	33
18	Photoelectrocatalysis by titanium dioxide for water treatment. International Journal of Environment and Pollution, 2006, 27, 2.	0.2	32

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19	A dual-functional asymmetric squaraine-based low band gap hole transporting material for efficient perovskite solar cells. <i>Nanoscale</i> , 2016, 8, 6335-6340.	2.8	32
20	Magnetic dilution effect of nano-crystalline NiFe ₂ O ₄ synthesized via sucrose-assisted combustion route. <i>Ceramics International</i> , 2014, 40, 675-681.	2.3	29
21	Effects of Nd-, Pr-, Tb- and Y-doping on the structural, textural, electrical and N ₂ O decomposition activity of mesoporous NiO nanoparticles. <i>Applied Surface Science</i> , 2017, 419, 399-408.	3.1	29
22	Structure–property relationship of different electron donors: novel organic sensitizers based on fused dithienothiophene π -conjugated linker for high efficiency dye-sensitized solar cells. <i>Tetrahedron</i> , 2013, 69, 3444-3450.	1.0	27
23	Effect of Pr, Sm, and Tb Doping on the Morphology, Crystallite Size, and N ₂ O Decomposition Activity of Co ₃ O ₄ Nanorods. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-10.	1.5	24
24	Photo-oxidative Decolorization of Brilliant Blue with AgNPs as an Activator in the Presence of K ₂ S ₂ O ₈ and NaBH ₄ . <i>ACS Omega</i> , 2021, 6, 27510-27526.	1.6	24
25	Rare Earth-Promoted Nickel Oxide Nanoparticles as Catalysts for N ₂ O Direct Decomposition. <i>Catalysts</i> , 2016, 6, 70.	1.6	23
26	Preparation, characterization and photocatalytic evaluation of aluminum doped metal ferrites. <i>Ceramics International</i> , 2019, 45, 7318-7327.	2.3	21
27	Removal of cadmium ions from aqueous solution by zero valent iron nanoparticles: Equilibrium and thermodynamic studies. <i>Journal of Molecular Liquids</i> , 2021, 342, 117462.	2.3	21
28	Adsorption of Polyvinylpyrrolidone over the Silica Surface: As Affected by Pretreatment of Adsorbent and Molar Mass of Polymer Adsorbate. <i>International Journal of Polymer Science</i> , 2016, 2016, 1-9.	1.2	20
29	Generation of MoS ₂ quantum dots by laser ablation of MoS ₂ particles in suspension and their photocatalytic activity for H ₂ generation. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	19
30	Thieno[2,3-a]carbazole-based donor–acceptor organic dyes for efficient dye-sensitized solar cells. <i>Tetrahedron</i> , 2014, 70, 6211-6216.	1.0	18
31	The Photocatalytic Activity of TiO ₂ -Zeolite Composite for Degradation of Dye Using Synthetic UV and Jeddah Sunlight. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-6.	1.5	16
32	Deuterium Isotope Effect on Bulk Heterojunction Solar Cells. Enhancement of Organic Photovoltaic Performances Using Monobenzyl Substituted Deuteriofullerene Acceptors. <i>Organic Letters</i> , 2013, 15, 5674-5677.	2.4	12
33	Functional 2-benzyl-1,2-dihydro[60]fullerenes as acceptors for organic photovoltaics: facile synthesis and high photovoltaic performances. <i>Tetrahedron</i> , 2013, 69, 1302-1306.	1.0	12
34	Micellization behavior of bile salt with pluronic (Fâ€¢127) and synthesis of silver nanoparticles in a mixed system. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3964.	0.9	11
35	Simulation program for zeolite A and X with an active carbon composite as an effective adsorbent for organic and inorganic pollutants. <i>Microporous and Mesoporous Materials</i> , 2016, 224, 89-94.	2.2	10
36	Effects of cationic and anionic micelles on the morphology of biogenic silver nanoparticles, and their catalytic activity for congo red. <i>Journal of Molecular Liquids</i> , 2016, 220, 364-369.	2.3	9

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37	2-Hydroxy-1, 4-naphthoquinone solubilization, thermodynamics and adsorption kinetics with surfactant. Chinese Journal of Chemical Engineering, 2021, 32, 212-223.	1.7	9
38	Preparation and surface characterization of CuO and Fe ₂ O ₃ catalyst. Applied Surface Science, 2012, 258, 7617-7624.	3.1	7
39	Preparation and Properties of Novel Quaternized Metal-Polymer Matrix Nanocomposites. Polymer-Plastics Technology and Engineering, 2015, 54, 1615-1624.	1.9	7
40	Impact of Block Length and Temperature over Self-Assembling Behavior of Block Copolymers. International Journal of Polymer Science, 2016, 2016, 1-7.	1.2	7
41	Removal of Heavy Metal Quaternary Cations Systems on Zeolite A and X Mixtures Prepared from Local Kaolin. Clean - Soil, Air, Water, 2014, 42, 775-778.	0.7	6
42	Sodium dodecyl sulphate-assisted synthesis, optical properties and catalytic activities of silver/manganese dioxide nanocomposites. Journal of Molecular Liquids, 2018, 258, 310-318.	2.3	6
43	Interactions of Ag ⁺ ions and Ag-nanoparticles with protein. A comparative and multi spectroscopic investigation. Journal of Molecular Liquids, 2021, 335, 116226.	2.3	6
44	Synthesis, Electrochemical and Antimicrobial Activity of Colloidal Copper Nanoparticles. Biosciences, Biotechnology Research Asia, 2017, 14, 1259-1268.	0.2	4
45	Synthesis and characterization of JBW structure and its thermal transformation. Journal of Solid State Chemistry, 2012, 196, 150-156.	1.4	3
46	Removal of Acid Red dye from aqueous solution using zero-valent copper and zero-valent zinc nanoparticles. , 0, 141, 310-320.		3
47	Chitosan and cetyltrimethylammonium bromide capped Iridium-silver bimetallic nanoparticles: A comparative study. Journal of Molecular Liquids, 2022, 358, 119182.	2.3	3
48	Extraction of Nanosized Cobalt Sulfide from Spent Hydrocracking Catalyst. Journal of Nanomaterials, 2013, 2013, 1-7.	1.5	2
49	Photocatalytic hydrogen generation from water-methanol mixtures using TiO_2 -anatase obtained by annealing of titanate nanotubes. Materials Today Communications, 2015, 4, 63-68.	0.9	2
50	New Method for Removal of Organic Dyes Using Supported Iron Oxide as a Catalyst. Journal of Chemistry, 2016, 2016, 1-9.	0.9	2
51	Photo Catalytic Behavior of some Pharmacosiderite Titanium Analogs. Silicon, 2020, 12, 813-820.	1.8	2
52	Structural and Photocatalytic Behavior of Vanadium Incorporated ETS-4 Zeolite. Silicon, 2020, 12, 2525-2532.	1.8	2
53	The volumes of mixing of aqueous solutions of CdCl ₂ , CuCl ₂ , MnCl ₂ , and ZnCl ₂ with HCl at varying ionic strength at 25°C. Journal of Solution Chemistry, 1994, 23, 901-910.	0.6	1
54	The Use of a Nanoscale Copper Catalyst in the Catalytic Decomposition of Water Polluted with Organic Dyes. Journal of Nanomaterials, 2013, 2013, 1-4.	1.5	1

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55	New Surface Aspects towards Photocatalytic Activity of Doped Supported Titanium Dioxide. International Journal of Photoenergy, 2016, 2016, 1-9.	1.4	1
56	Solubilization of Congo red into non-ionic bolaform sugar based surfactant: A multi spectroscopic approach. Journal of Saudi Chemical Society, 2021, 25, 101257.	2.4	1
57	Direct Hydroxylation of Benzene Over Cu-Exchanged Hydroxy-Sodalite. Egyptian Journal of Chemistry, 2018, 61, 280-290.	0.1	1
58	The enthalpy of mixing aqueous solutions of CdCl ₂ , CuCl ₂ , MnCl ₂ , and ZnCl ₂ with HCl at varying ionic strength at 25±½C. Journal of Solution Chemistry, 1994, 23, 511-519.	0.6	0
59	Evaluation of TiO ₂ / LTA Zeolite Incorporated Composite for Mutual Removal of Organic and Inorganic Pollutants: Simulation Study for Prediction of Removal Beyond Equilibrium. Silicon, 2021, 13, 1485-1498.	1.8	0
60	Characterization and Structure Elucidation of Binary Zr:Ti MEL Structure; Simultaneous Photodegradation/Removal of Organic&Inorganic Pollutants. Catalysts, 2021, 11, 633.	1.6	0
61	Simultaneous photodegradation and removal of organic-inorganic pollutants over zeolite prepared from Saudi Arabia kaolin. Egyptian Journal of Chemistry, 2019, .	0.1	0