

Samer I Al-Gharabli

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,170
citations

430874

18
h-index

395702

33
g-index

53
all docs

53
docs citations

53
times ranked

1565
citing authors

#	ARTICLE	IF	CITATIONS
1	Stabilization/solidification of heavy metals in kaolin/zeolite based geopolymers. International Journal of Mineral Processing, 2015, 137, 34-42.	2.6	119
2	Peptide aldehyde inhibitors challenge the substrate specificity of the SARS-coronavirus main protease. Antiviral Research, 2011, 92, 204-212.	4.1	112
3	Photocatalytic hollow fiber membranes for the degradation of pharmaceutical compounds in wastewater. Journal of Environmental Chemical Engineering, 2017, 5, 5014-5024.	6.7	88
4	Molecular Grafting of Fluorinated and Nonfluorinated Alkylsiloxanes on Various Ceramic Membrane Surfaces for the Removal of Volatile Organic Compounds Applying Vacuum Membrane Distillation. ACS Applied Materials & Interfaces, 2017, 9, 6571-6590.	8.0	67
5	PVDF/magnetite blend membranes for enhanced flux and salt rejection in membrane distillation. Desalination, 2018, 436, 69-80.	8.2	64
6	Fabrication of blend polyvinylidene fluoride/chitosan membranes for enhanced flux and fouling resistance. Separation and Purification Technology, 2018, 190, 68-76.	7.9	61
7	On the effect of fumed silica particles on the structure, properties and application of PVDF membranes. Separation and Purification Technology, 2017, 187, 365-373.	7.9	52
8	An Efficient Method for the Synthesis of Peptide Aldehyde Libraries Employed in the Discovery of Reversible SARS Coronavirus Main Protease (SARS-CoV M pro) Inhibitors. ChemBioChem, 2006, 7, 1048-1055.	2.6	50
9	Upgrading of zirconia membrane performance in removal of hazardous VOCs from water by surface functionalization. Chemical Engineering Journal, 2019, 374, 155-169.	12.7	42
10	Highly effective enzymes immobilization on ceramics: Requirements for supports and enzymes. Science of the Total Environment, 2021, 801, 149647.	8.0	39
11	Structural Studies of an Array of Mixed Diamine Phosphine Ruthenium(II) Complexes1. Organometallics, 2002, 21, 105-112.	2.3	31
12	Zirconium dioxide membranes decorated by silanes based-modifiers for membrane distillation “ Material chemistry approach. Journal of Membrane Science, 2020, 596, 117597.	8.2	29
13	Functional groups docking on PVDF membranes: Novel Piranha approach. European Polymer Journal, 2017, 96, 414-428.	5.4	26
14	Tunable separation via chemical functionalization of polyvinylidene fluoride membranes using piranha reagent. Journal of Membrane Science, 2017, 541, 567-579.	8.2	26
15	Enhancing membrane performance in removal of hazardous VOCs from water by modified fluorinated PVDF porous material. Journal of Membrane Science, 2018, 556, 214-226.	8.2	26
16	Biomimetic hybrid membranes with covalently anchored chitosan “ Material design, transport and separation. Desalination, 2020, 491, 114550.	8.2	22
17	Olive mills wastewater treatment using local natural Jordanian clay. Desalination and Water Treatment, 2015, 53, 627-636.	1.0	21
18	MICROWAVE-ASSISTED SOLVENT EXTRACTION OF SHALE OIL FROM JORDANIAN OIL SHALE. Oil Shale, 2015, 32, 240.	1.0	15

#	ARTICLE	IF	CITATIONS
19	Engineering of a highly efficient Xe ²⁺ -excilamp (xenon excimer lamp, $\lambda_{\text{max}} = 172 \text{ nm}$, $\eta = 40\%$) and qualitative comparison to a low-pressure mercury lamp (LP-Hg, $\lambda = 185/254 \text{ nm}$) for water purification. <i>Chemosphere</i> , 2016, 144, 811-815.	8.2	15
20	Molecular Decoration of Ceramic Supports for Highly Effective Enzyme Immobilization – Material Approach. <i>Materials</i> , 2021, 14, 201.	2.9	14
21	Hedgehog-like structure, PVDF- carbon nanohorn hybrid membranes for improved removal of VOCs from water. <i>Chemical Engineering Journal</i> , 2022, 438, 135574.	12.7	14
22	Complexation of N-methyl-4-(p-methyl benzoyl)-pyridinium methyl cation and its neutral analogue by cucurbit[7]uril and β -cyclodextrin: a computational study. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2009, 64, 357-365.	1.6	13
23	Soluble Peptidyl Phosphoranes for Metal-Free, Stereoselective Ligations in Organic and Aqueous Solution. <i>Organic Letters</i> , 2012, 14, 14-17.	4.6	13
24	Supported organometallic complexes Part 31: diaminediphosphineruthenium(II) precursor complexes for parallel synthesis in interphases. <i>Inorganica Chimica Acta</i> , 2002, 334, 113-121.	2.4	12
25	Molecular activation of fluoropolymer membranes via base piranha treatment to enhance transport and mitigate fouling – new materials for water purification. <i>Journal of Membrane Science</i> , 2021, 624, 119105.	8.2	12
26	Review of Nanofluids and Their Biomedical Applications. <i>Journal of Nanofluids</i> , 2021, 10, 463-477.	2.7	12
27	SYNTHESIS AND CHELATION PROPERTIES OF SOME NEW MANNICH CONDENSATION POLYMERS CONTAINING A SALICYLALDOXIME GROUP. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2002, 39, 217-229.	2.2	11
28	Activation of PVDF membranes through facile hydroxylation of the polymeric dope. <i>Journal of Materials Research</i> , 2017, 32, 4219-4231.	2.6	11
29	Carbon nanohorn improved durable PVDF membranes - The future of membrane distillation and desalination. <i>Desalination</i> , 2021, 511, 115117.	8.2	11
30	Tunable hydrophobicity and roughness on PVDF surface by grafting to mode – Approach to enhance membrane performance in membrane distillation process. <i>Separation and Purification Technology</i> , 2022, 291, 120935.	7.9	11
31	Covalent surface entanglement of polyvinylidene fluoride membranes with carbon nanotubes. <i>European Polymer Journal</i> , 2018, 100, 153-164.	5.4	10
32	Physicochemical and magnetic properties of functionalized lanthanide oxides with enhanced hydrophobicity. <i>Applied Surface Science</i> , 2021, 542, 148563.	6.1	9
33	How Can the Desert Beetle and Biowaste Inspire Hybrid Separation Materials for Water Desalination?. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 11268-11283.	8.0	9
34	An Efficient One-Pot Synthesis of Pyrazolopyrimidines, Intermediates for Potential Phosphodiesterase Inhibitors. <i>Monatshefte für Chemie</i> , 2005, 136, 619-624.	1.8	8
35	Photochemical Transformation of Colchicine: A Kinetic Study. <i>Journal of Solution Chemistry</i> , 2010, 39, 441-456.	1.2	8
36	Impact of Char Properties and Reaction Parameters on Naphthalene Conversion in a Macro-TGA Fixed Char Bed Reactor. <i>Catalysts</i> , 2019, 9, 307.	3.5	8

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37	Flexible, polymer-supported synthesis of sphingosine derivatives provides ceramides with enhanced biological activity. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5506-5512.	3.0	6
38	High Throughput Screening and Characterization Methods of Jordanian Oil Shale as a Case Study. <i>Energies</i> , 2019, 12, 3148.	3.1	6
39	Studying the Complex Formation of Sulfonatocalix[4]naphthalene and Meloxicam towards Enhancing Its Solubility and Dissolution Performance. <i>Pharmaceutics</i> , 2021, 13, 994.	4.5	6
40	Advanced Material-Ordered Nanotubular Ceramic Membranes Covalently Capped with Single-Wall Carbon Nanotubes. <i>Materials</i> , 2018, 11, 739.	2.9	5
41	Pyrolysis Kinetic Parameters of Omari Oil Shale Using Thermogravimetric Analysis. <i>Energies</i> , 2020, 13, 4060.	3.1	5
42	High Throughput Synthesis of Pyrazolopyrimidines via Copper-catalysed Cyclization and X-Ray Study. <i>Heterocycles</i> , 2005, 65, 1821.	0.7	5
43	Nitrogen plasma modification boosts up the hemocompatibility of new PVDF-carbon nanohorns composite materials with potential cardiological and circulatory system implants application. , 2022, 138, 212941.		5
44	Determination of Glucose Concentration in Aqueous Solution Using ATR-WT-IR Technique. <i>Sensors</i> , 2009, 9, 6254-6260.	3.8	4
45	LEGO Mindstorms NXT for elderly and visually impaired people in need: A platform. <i>Technology and Health Care</i> , 2016, 24, 579-585.	1.2	3
46	Artificial neural networks for dihedral angles prediction in enzyme loops: a novel approach. <i>International Journal of Bioinformatics Research and Applications</i> , 2015, 11, 153.	0.2	2
47	Anti-spermatogenic activities of <i>Taraxacum officinale</i> whole plant and leaves aqueous extracts. <i>Veterinary Research Forum</i> , 2016, 7, 89-97.	0.3	2
48	A Brain Machine Interface for command based control of a wheelchair using conditioning of oscillatory brain activity. , 2017, 2017, 1002-1005.		1
49	Surfaces with Adjustable Featuresâ€”Effective and Durable Materials for Water Desalination. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11743.	4.1	1
50	An Efficient One-Pot Synthesis of Pyrazolopyrimidines, Intermediates for Potential Phosphodiesterase Inhibitors.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
51	High Throughput Synthesis of Pyrazolopyrimidines via Copper-Catalyzed Cyclization and X-Ray Study.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
52	Inhibitory effect of <i>Taraxacum officinale&/i> L (Compositae) aqueous root extract on spermatogenesis. <i>Tropical Journal of Pharmaceutical Research</i> , 2017, 16, 109.	0.3	0