

Maguy Abi Jaoude

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,101
citations

361045

20
h-index

414034

32
g-index

50
all docs

50
docs citations

50
times ranked

1112
citing authors

#	ARTICLE	IF	CITATIONS
1	A Low-Cost, Nanowatt, Millimeter-Scale Memristive-Vacuum Sensor. <i>IEEE Sensors Journal</i> , 2022, 22, 6080-6087.	2.4	1
2	Solvent- ϵ -Influenced Fragmentations in Free- ϵ -Standing Three- ϵ -Dimensional Covalent Organic Framework Membranes for Hydrophobicity Switching. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	24
3	A mixed matrix polyimide ultrafiltration membrane for efficient removal of bentazon from water. <i>Chemical Engineering Journal</i> , 2022, 433, 134596.	6.6	10
4	Titelbild: Solvent- ϵ -Influenced Fragmentations in Free- ϵ -Standing Three- ϵ -Dimensional Covalent Organic Framework Membranes for Hydrophobicity Switching (<i>Angew. Chem.</i> 13/2022). <i>Angewandte Chemie</i> , 2022, 134, .	1.6	0
5	Role of embedding choline chloride-urea deep eutectic solvent on biomass-derived porous activated carbon in its capacitive deionization performance. <i>Desalination</i> , 2022, 530, 115674.	4.0	11
6	Application of deep eutectic solvents in water treatment processes: A review. <i>Journal of Water Process Engineering</i> , 2022, 47, 102663.	2.6	23
7	CH ₄ valorisation reactions: A comparative thermodynamic analysis and their limitations. <i>Fuel</i> , 2022, 320, 123877.	3.4	10
8	Enhanced removal of aqueous phenol with polyimide ultrafiltration membranes embedded with deep eutectic solvent-coated nanosilica. <i>Chemical Engineering Journal</i> , 2021, 408, 128017.	6.6	43
9	Insights into the Composite Scale Formation and Coprecipitation Behavior of CaSO ₄ and SrSO ₄ at different salinity level. <i>Surfaces and Interfaces</i> , 2021, 22, 100875.	1.5	0
10	Design Aspects of Doped CeO ₂ for Low-Temperature Catalytic CO Oxidation: Transient Kinetics and DFT Approach. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22391-22415.	4.0	70
11	Effect of the Compliance Current on the Retention Time of Cu/HfO ₂ -Based Memristive Devices. <i>Journal of Electronic Materials</i> , 2021, 50, 4397-4406.	1.0	9
12	Polyimide ultrafiltration membrane embedded with reline-functionalized nanosilica for the remediation of pharmaceuticals in water. <i>Separation and Purification Technology</i> , 2021, 266, 118585.	3.9	19
13	Impact of vacuum on the resistive switching in HfO ₂ -based conductive-bridge RAM with highly-doped silicon bottom electrode. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 271, 115267.	1.7	7
14	Morphology-dependent electrochemical performance of MnO ₂ nanostructures on graphene towards efficient capacitive deionization. <i>Electrochimica Acta</i> , 2020, 330, 135202.	2.6	55
15	Silver/(sub-10 nm)hafnium-oxide-based resistive switching devices on silicon: characteristics and switching mechanism. <i>Nanotechnology</i> , 2020, 31, 165202.	1.3	8
16	High-Flux, Antifouling Hydrophilized Ultrafiltration Membranes with Tunable Charge Density Combining Sulfonated Poly(ether sulfone) and Aminated Graphene Oxide Nanohybrid. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1617-1627.	4.0	67
17	Cu-Ce-La-Ox as efficient CO oxidation catalysts: Effect of Cu content. <i>Applied Surface Science</i> , 2020, 505, 144474.	3.1	39
18	Detection of some amino acids with modulation-doped and surface-nanoengineered GaAs Schottky P-I-N diodes. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2020, 38, 054002.	0.6	1

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19	Effects of top electrode material in hafnium-oxide-based memristive systems on highly-doped Si. Scientific Reports, 2020, 10, 19541.	1.6	14
20	Activated Carbon Derived from <i>Phoenix dactylifera</i> (Palm Tree) and Decorated with MnO ₂ Nanoparticles for Enhanced Hybrid Capacitive Deionization Electrodes. ChemistrySelect, 2020, 5, 3248-3256.	0.7	29
21	Cu, Sm co-doping effect on the CO oxidation activity of CeO ₂ . A combined experimental and density functional study. Applied Surface Science, 2020, 521, 146305.	3.1	61
22	Bipolar Cu/HfO ₂ /p++ Si Memristors by Sol-Gel Spin Coating Method and Their Application to Environmental Sensing. Scientific Reports, 2019, 9, 9983.	1.6	33
23	Ultrastable plasmonic nanofluids in optimized direct absorption solar collectors. Energy Conversion and Management, 2019, 199, 112010.	4.4	51
24	MOMSense: Metal-Oxide-Metal Elementary Glucose Sensor. Scientific Reports, 2019, 9, 5524.	1.6	39
25	High-Density ReRAM Crossbar with Selector Device for Sneak Path Reduction. , 2019, , .		6
26	MemSens: Memristor-Based Radiation Sensor. IEEE Sensors Journal, 2018, 18, 3198-3205.	2.4	41
27	Graphene oxide: Nylon ECG sensors for wearable IoT healthcare” nanomaterial and SoC interface. Analog Integrated Circuits and Signal Processing, 2018, 96, 253-260.	0.9	28
28	Switching characteristics of microscale unipolar Pd/Hf/HfO ₂ /Pd memristors. Microelectronic Engineering, 2018, 185-186, 35-42.	1.1	10
29	Nonenzymatic Glucose Sensor Using MIM Pt/CuO/Pt. , 2018, , .		1
30	Tuning the activity of Cu-containing rare earth oxide catalysts for CO oxidation reaction: Cooling while heating paradigm in microwave-assisted synthesis. Materials Research Bulletin, 2018, 108, 142-150.	2.7	25
31	Nano-architectural advancement of CeO ₂ -driven catalysis via electrospinning. Surface and Coatings Technology, 2018, 350, 245-280.	2.2	12
32	Novel hafnium oxide memristor device: Switching behaviour and size effect. , 2017, , .		4
33	Graphene oxide ” Nylon ECG sensors for wearable IoT healthcare. , 2017, , .		6
34	Resistive switching in sol-gel derived microscale memristors. , 2016, , .		6
35	Novel microscale memristor with uniqueness property for securing communications. , 2016, , .		8
36	Synthesis and properties of 1D Sm-doped CeO ₂ composite nanofibers fabricated using a coupled electrospinning and sol-gel methodology. Ceramics International, 2016, 42, 10734-10744.	2.3	20

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37	Sol-gel/drop-coated micro-thick TiO ₂ memristors for $\hat{\Gamma}^3$ -ray sensing. <i>Materials Chemistry and Physics</i> , 2016, 184, 72-81.	2.0	30
38	Subthreshold Continuum Conductance Change in NbO Pt Memristor Interfaces. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18971-18976.	1.5	11
39	Physics model of memristor devices with varying active materials. , 2016, , .		1
40	Novel secret key generation techniques using memristor devices. <i>AIP Advances</i> , 2016, 6, .	0.6	20
41	State of the art of metal oxide memristor devices. <i>Nanotechnology Reviews</i> , 2016, 5, .	2.6	147
42	Separation of xanthenes in hydro-organic and polar-organic elution modes on a titania stationary phase. <i>Journal of Separation Science</i> , 2014, 37, 536-542.	1.3	4
43	A design of experiment approach to the sol-gel synthesis of titania monoliths for chromatographic applications. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1145-1155.	1.9	2
44	Capillary monolithic titania column for miniaturized liquid chromatography and extraction of organo-phosphorous compounds. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1241-1249.	1.9	29
45	Retention of $\hat{\Gamma}^2$ blockers on native titania stationary phase. <i>Journal of Separation Science</i> , 2011, 34, 1805-1810.	1.3	5
46	Chromatographic behavior of xanthenes in aqueous normal phase chromatography using titania stationary phase. <i>Journal of Chromatography A</i> , 2011, 1218, 721-725.	1.8	24
47	Improvement of chromatographic performances of in-situ synthesized hybrid C8 silica monoliths by reduction of structural radial heterogeneities. <i>Journal of Chromatography A</i> , 2009, 1216, 3857-3863.	1.8	18
48	Optimization of the single-step synthesis of hybrid C8 silica monoliths dedicated to nano-liquid chromatography and capillary electrochromatography. <i>Journal of Chromatography A</i> , 2008, 1209, 120-127.	1.8	19
49	Solvent Influenced Fragmentations in Free-Standing Three-Dimensional Covalent Organic Framework Membranes for Hydrophobicity Switching. <i>Angewandte Chemie</i> , 0, , .	1.6	0