

Ahmed S Afify

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22

papers

162

citations

6

h-index

12

g-index

25

ext. papers

208

ext. citations

2.6

avg, IF

3.05

L-index

#	Paper	IF	Citations
22	Elaboration and characterization of novel humidity sensor based on micro-carbonized bamboo particles. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 1251-1256	8.5	38
21	Tungsten-based glasses for photochromic, electrochromic, gas sensors, and related applications: A review. <i>Journal of Non-Crystalline Solids</i> , 2018 , 491, 43-54	3.9	30
20	Elaboration and characterization of modified sepiolites and their humidity sensing features for environmental monitoring. <i>Applied Clay Science</i> , 2015 , 115, 165-173	5.2	14
19	Synthesis of ZnO Nanoparticles onto Sepiolite Needles and Determination of Their Sensitivity toward Humidity, NO ₂ and H ₂ . <i>Journal of Materials Science and Technology</i> , 2016 , 32, 573-582	9.1	12
18	The crossover of (Ba _{1-x} Ca _x)(Ti _{0.9} Sn _{0.1})O ₃ piezoelectric ceramics from single-phase to composite with studying the structural and dielectric properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 11591-11602	2.1	11
17	Studying the Effect of Household-Type Treatment and Processing on the Residues of Ethion and Profenofos Pesticides and on the Contents of Capsaicinoids in Green Chili Pepper Using GC-MS/MS and HPLC. <i>Food Analytical Methods</i> , 2018 , 11, 382-393	3.4	7
16	Dielectric, tunability, leakage current, and ferroelectric properties of (K _{0.45} Na _{0.55}) _{0.95} Li _{0.05} NbO ₃ lead free piezoelectric. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 2659-2668	2.1	6
15	Effect of processing conditions on (Ba _{1-x} Ca _x)(Ti _{0.9} Sn _{0.1})O ₃ lead-free ceramics for the enhancement of structural, humidity sensing and dielectric properties. <i>Journal of the Australian Ceramic Society</i> , 2019 , 55, 933-942	1.5	6
14	Processing, structural and humidity sensing properties of PbTiO ₃ ceramic synthesized by solid state reaction. <i>Journal of Porous Materials</i> , 2020 , 27, 947-958	2.4	6
13	Preparation, Characterization and Antimicrobial Activity of Schiff Base of (E) - N - (4-(Thiophen-2-ylmethyleneamino) Phenylsulfonyl) Acetamide Metal Complexes. <i>The Open Bioactive Compounds Journal</i> , 2018 , 6, 1-10	1.3	5
12	Synthesis and Characterization of Nano-Tungsten Oxide Precipitated onto Natural Inorganic Clay for Humidity-Sensing Applications. <i>Ceramics</i> , 2018 , 1, 120-127	1.7	4
11	Time-integrated monitoring of dioxin-like polychlorinated biphenyls (dl-PCBs) in aquatic environments using the ceramic toximeter and the CALUX bioassay. <i>Talanta</i> , 2014 , 120, 413-8	6.2	4
10	New ZnO-Based Glass Ceramic Sensor for H ₂ and NO Detection. <i>Sensors</i> , 2017 , 17,	3.8	4
9	Structural, humidity sensing and dielectric properties of Ca-modified Ba(Ti _{0.9} Sn _{0.1})O ₃ lead free ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 7622-7632	2.1	4
8	Nano- and Microsized Phases in the WO ₃ -ZnO-Nd ₂ O ₃ -Al ₂ O ₃ System for Applications in Environmental Monitoring. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2015 , 451-459	0.1	2
7	Effects of the full-scale substitution of strontium for calcium on the microstructure of brushite: (Ca _x Sr _{1-x})HPO ₄ .nH ₂ O system. <i>Clay Minerals</i> , 2020 , 55, 366-374	1.3	2
6	Survey on the Moisture and Ash Contents in Agricultural Commodities in Al-Rass Governorate, Saudi Arabia in 2017. <i>Assiut Journal of Agricultural Sciences</i> , 2017 , 48, 55-62	1.3	2

5	Gradual Replacement of Ca ²⁺ with Mg ²⁺ Ions in Brushite for the Production of Ca _{1-x} Mg _x HPO ₄ ·nH ₂ O Materials. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 284	2.4	2
4	Synthesis of RGO/SiO ₂ and Ag/RGO/SiO ₂ Nanocomposites and Study of Their Sensitivity Towards Humidity. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2018 , 397-405	0.2	0
3	Effect of Ca ²⁺ Replacement with Cu ²⁺ Ions in Brushite on the Phase Composition and Crystal Structure. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 1028	2.4	0
2	Preparation of Nanoporous Hybrid Materials with Bridged Tetra Sulfide Functional Groups and Determination of Their Sensing Characteristics Towards Relative Humidity. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2018 , 407-416	0.2	
1	Humidity Sensing Properties of Tungsten Based Glass Crystalline Materials in the WO ₃ -ZnO-La ₂ O ₃ -Al ₂ O ₃ System. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2018 , 417-425	0.2	