

# Salih Okur

## List of Publications by Year in descending order

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65  
papers

1,682  
citations

236925

25  
h-index

302126

39  
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66  
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66  
docs citations

66  
times ranked

2102  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical characterization of PEDOT:PSS beyond humidity saturation. <i>Sensors and Actuators B: Chemical</i> , 2009, 143, 177-181.	7.8	140
2	Humidity sensing properties of ZnO nanoparticles synthesized by sol-gel process. <i>Sensors and Actuators B: Chemical</i> , 2010, 145, 174-180.	7.8	139
3	Humidity-sensing properties of a ZnO nanowire film as measured with a QCM. <i>Sensors and Actuators B: Chemical</i> , 2011, 152, 115-120.	7.8	76
4	An Enantioselective e-Nose: An Array of Nanoporous Homochiral MOF Films for Stereospecific Sensing of Chiral Odors. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3566-3571.	13.8	72
5	Humidity sensing properties of ZnO-based fibers by electrospinning. <i>Talanta</i> , 2011, 85, 1105-1111.	5.5	67
6	Electrical Characterization of CdS Nanoparticles for Humidity Sensing Applications. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 3309-3313.	3.7	59
7	Preparation and Characterization of Calcium Stearate Powders and Films Prepared by Precipitation and Langmuir-Blodgett Techniques. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 1732-1736.	3.7	51
8	Towards a MOF e-Nose: A SURMOF sensor array for detection and discrimination of plant oil scents and their mixtures. <i>Sensors and Actuators B: Chemical</i> , 2020, 306, 127502.	7.8	50
9	Electrical and interface properties of Au/DNA/n-Si organic-on-inorganic structures. <i>Microelectronic Engineering</i> , 2009, 86, 2305-2311.	2.4	49
10	Electrochemical Detection of a Cancer Biomarker miR-21 in Cell Lysates Using Graphene Modified Sensors. <i>Electroanalysis</i> , 2015, 27, 317-326.	2.9	47
11	Investigation of humidity sensing properties of ZnS nanowires synthesized by vapor liquid solid (VLS) technique. <i>Sensors and Actuators A: Physical</i> , 2011, 167, 188-193.	4.1	45
12	VOC sensors based on a metal oxide nanofibrous membrane/QCM system prepared by electrospinning. <i>New Journal of Chemistry</i> , 2014, 38, 5761-5768.	2.8	44
13	Analysis of electronic parameters and interface states of boron dispersed triethanolamine/p-Si structure by AFM, I <sub>1</sub> V, C <sub>1</sub> V and G/∂I <sub>1</sub> ∂V techniques. <i>Microelectronic Engineering</i> , 2010, 87, 30-34.	2.4	43
14	Layered clay/epoxy nanocomposites: Thermomechanical, flame retardancy, and optical properties. <i>Journal of Applied Polymer Science</i> , 2008, 109, 834-840.	2.6	40
15	Synthesis and humidity sensing analysis of ZnS nanowires. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 1103-1107.	2.7	40
16	Humidity Sensing Properties of CdS Nanoparticles Synthesized by Chemical Bath Deposition Method. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 5606-5610.	3.7	36
17	VOC Mixture Sensing with a MOF Film Sensor Array: Detection and Discrimination of Xylene Isomers and Their Ternary Blends. <i>ACS Sensors</i> , 2022, 7, 1666-1675.	7.8	36
18	Humidity adsorption kinetics of water soluble calix[4]arene derivatives measured using QCM technique. <i>Sensors and Actuators B: Chemical</i> , 2010, 145, 93-97.	7.8	35

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19	Humidity adsorption kinetics of calix[4]arene derivatives measured using QCM technique. <i>Talanta</i> , 2010, 81, 248-251.	5.5	35
20	High-mobility pentacene phototransistor with nanostructured SiO <sub>2</sub> gate dielectric synthesized by sol-gel method. <i>Microelectronic Engineering</i> , 2010, 87, 635-640.	2.4	34
21	Humidity sensing properties of novel ruthenium polypyridyl complex. <i>Sensors and Actuators B: Chemical</i> , 2010, 151, 223-228.	7.8	33
22	Modification of ITO surface using aromatic small molecules with carboxylic acid groups for OLED applications. <i>Synthetic Metals</i> , 2011, 161, 2397-2404.	3.9	31
23	Morphology-dependent humidity adsorption kinetics of ZnO nanostructures. <i>Sensors and Actuators A: Physical</i> , 2012, 187, 37-42.	4.1	30
24	CO gas sorption properties of ferrocene branched chitosan derivatives. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 308-313.	7.8	30
25	Electrical properties of SAM-modified ITO surface using aromatic small molecules with double bond carboxylic acid groups for OLED applications. <i>Applied Surface Science</i> , 2014, 314, 1082-1086.	6.1	29
26	A photoprogrammable electronic nose with switchable selectivity for VOCs using MOF films. <i>Chemical Science</i> , 2021, 12, 15700-15709.	7.4	28
27	Identification of Mint Scents Using a QCM Based E-Nose. <i>Chemosensors</i> , 2021, 9, 31.	3.6	27
28	Effect of Fe doping on the CO gas sensing of functional calixarene molecules measured with quartz crystal microbalance technique. <i>Sensors and Actuators B: Chemical</i> , 2015, 215, 464-470.	7.8	24
29	CoCrMo alloy treated by floating potential plasma assisted nitriding and plasma based ion implantation: Influence of the hydrogen content and of the ion energy on the nitrogen incorporation. <i>Surface and Coatings Technology</i> , 2010, 204, 2913-2918.	4.8	23
30	Preparation of the ferrocene-substituted 1,3-distal p-tert-butylcalix[4]arene based QCM sensors array and utilization of its gas-sensing affinities. <i>Journal of Organometallic Chemistry</i> , 2014, 771, 9-13.	1.8	23
31	Effect of humidity on electrical conductivity of zinc stearate nanofilms. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 302, 67-74.	4.7	18
32	Humidity Sensing Properties of Chitosan by Using Quartz Crystal Microbalance Method. <i>Sensor Letters</i> , 2012, 10, 906-910.	0.4	18
33	Analysis of interface states of the pentacene organic thin-film phototransistor by conductance technique. <i>Sensors and Actuators A: Physical</i> , 2009, 149, 241-245.	4.1	16
34	Local oxidation nanolithography on Hf thin films using atomic force microscopy (AFM). <i>Journal Physics D: Applied Physics</i> , 2009, 42, 105302.	2.8	15
35	Effects of SiC particles size on electrochemical properties of electroless Ni-P-SiC nanocomposite coatings. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016, 52, 632-636.	1.1	15
36	MgB <sub>2</sub> superconducting thin films sequentially fabricated using DC magnetron sputtering and thermionic vacuum arc method. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 466, 205-208.	1.2	12

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37	Synthesis and spectroscopic characterization on 4-(2,5-di-2-thienyl-1H-pyrrol-1-yl) benzoic acid: A DFT approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 8-17.	3.9	12
38	Electronic transport properties of microcrystalline silicon thin films prepared by VHF-PECVD. <i>Journal of Materials Science: Materials in Electronics</i> , 2004, 15, 187-191.	2.2	11
39	Modification of metal/semiconductor junctions by self-assembled monolayer organic films. <i>Microelectronic Engineering</i> , 2009, 86, 2358-2363.	2.4	11
40	Magnetic layer formation on plasma nitrated CoCrMo alloy. <i>Surface and Coatings Technology</i> , 2011, 205, S280-S285.	4.8	11
41	Humidity adsorption kinetics of a trypsin gel film. <i>Journal of Colloid and Interface Science</i> , 2012, 368, 470-473.	9.4	11
42	Influence of crystallographic orientation on hydration of MgO single crystals. <i>Ceramics International</i> , 2009, 35, 2571-2576.	4.8	10
43	A microstructural study of surface hydration on a magnesia refractory. <i>Ceramics International</i> , 2010, 36, 1731-1735.	4.8	9
44	Charge transfer through amino groups-small molecules interface improving the performance of electroluminescent devices. <i>Optical Materials</i> , 2016, 55, 94-101.	3.6	9
45	Structural and low-field magnetic characterization of superconducting MgB <sub>2</sub> wires. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 415, 51-56.	1.2	8
46	Diffusion length measurements of microcrystalline silicon thin films prepared by hot-wire/catalytic chemical vapor deposition (HWCVD). <i>Thin Solid Films</i> , 2006, 501, 137-140.	1.8	8
47	CO adsorption kinetics of ferrocene-conjugated polypyrrole using quartz microbalance technique. <i>Sensors and Actuators B: Chemical</i> , 2014, 200, 325-331.	7.8	8
48	Sub-bandgap optical absorption spectroscopy of hydrogenated microcrystalline silicon thin films prepared using hot-wire CVD (Cat-CVD) process. <i>Thin Solid Films</i> , 2006, 501, 121-124.	1.8	7
49	Electrical and mechanical properties of superconducting MgB <sub>2</sub> /Mg metal matrix composites. <i>Superconductor Science and Technology</i> , 2006, 19, 359-364.	3.5	7
50	New approach for consideration of adsorption/desorption data. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011, 16, 4643-4648.	3.3	7
51	Synthesis, FT-IR, FT-Raman, dispersive Raman and NMR spectroscopic study of a host molecule which potential applications in sensor devices. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 94, 126-133.	3.9	6
52	Sniff Species: SURMOF-Based Sensor Array Discriminates Aromatic Plants beyond the Genus Level. <i>Chemosensors</i> , 2021, 9, 171.	3.6	5
53	The effect of annealing temperature on the optical properties of a ruthenium complex thin film. <i>Thin Solid Films</i> , 2016, 612, 225-230.	1.8	4
54	Water affinity guided tunable superhydrophobicity and optimized wettability of selected natural minerals. <i>Journal of Coatings Technology Research</i> , 2019, 16, 199-211.	2.5	4

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55	Experimental and density functional theory study on humidity sensing properties of copper phthalocyanine (CuPc). <i>Materials Research Express</i> , 2019, 6, 105901.	1.6	4
56	Low-Field Behavior of Ti-Added $\text{MgB}_2/\text{Cu}$ Superconducting Wires. <i>IEEE Transactions on Applied Superconductivity</i> , 2005, 15, 3352-3355.	1.7	3
57	Synthesis and Raman spectroscopic investigation of a new self-assembly monolayer material 4-[(3-methylphenyl)amino]benzoic acid for organic light-emitting devices. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1682-1689.	2.1	3
58	Morphological analysis of the antibacterial action of chitosan on gram-negative bacteria using atomic force microscopy. <i>Current Opinion in Biotechnology</i> , 2013, 24, S83.	6.6	3
59	Electrical Characterization of Interdigitated Humidity Sensors Based on CNT Modified Calixarene Molecules. <i>Acta Physica Polonica A</i> , 2013, 123, 461-463.	0.5	3
60	Structural investigation of a self-assembled monolayer material 5-[(3-methylphenyl) (phenyl) amino] isophthalic acid for organic light-emitting devices. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 133, 307-317.	3.9	3
61	Modification of $\text{Al}_2\text{O}_3$ oxide tunnel barriers with organic self-assembled monolayers. <i>Journal of Applied Physics</i> , 1999, 85, 7256-7262.	2.5	2
62	Applications of Artificial Neural Network Technique to Polypyrrole Gas Sensor Data for Environmental Analysis. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015, 12, 4392-4398.	0.4	2
63	Scanning probe oxidation lithography on Ta thin films. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 5640-5.	0.9	1
64	Parameter Identification of the Langmuir Model for Adsorption and Desorption Kinetic Data. , 2011, , 97-106.		0
65	Sonochemically grown 1D ZnO nanostructures and their applications. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0