Yaser Acikbas

List of Publications by Year
in descending order

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49	615	567144	677027
papers	citations	15	22
		h-index	g-index

52	52	52	502
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stability evaluation of environmentally volatile pollutants sensing devices by developing theoretical calculation and mathematical modeling. Sensors and Actuators A: Physical, 2022, 333, 113216.	2.0	0
2	Anisotropic Etching of CVD Grown Graphene for Ammonia Sensing. IEEE Sensors Journal, 2022, 22, 3888-3895.	2.4	4
3	Electrospun polyacrylonitrile (PAN) nanofiber: preparation, experimental characterization, organic vapor sensing ability and theoretical simulations of binding energies. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	6
4	The pillar[5]arene-based spun thin films: preparation, characterization, development of optical and mass sensitive sensors for swelling dynamics and gas sensing abilities. Research on Chemical Intermediates, 2022, 48, 1863-1875.	1.3	1
5	Synthesis and characterization of singleâ€walled carbon nanotube: Cytoâ€genotoxicity in Allium cepa root tips and molecular docking studies. Microscopy Research and Technique, 2022, 85, 3193-3206.	1.2	7
6	Sensor application of pyridine modified calix[4]arene Langmuir-Blodgett thin film. Optik, 2022, 265, 169492.	1.4	1
7	Synthesis of water soluble symmetric and asymmetric pillar[5]arene derivatives: Cytotoxicity, apoptosis and molecular docking studies. Journal of Molecular Structure, 2022, 1265, 133482.	1.8	7
8	Cytotoxic and genotoxic assessment of tungsten oxide nanoparticles in Allium cepa cells by Allium ana-telophase and comet assays. Journal of Applied Genetics, 2021, 62, 85-92.	1.0	18
9	Recent progress in pillar[n]arene-based thin films on chemical sensor applications. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2021, 100, 39-54.	0.9	9
10	Cytoâ€“genotoxicity, antibacterial, and antibiofilm properties of green synthesized silver nanoparticles using Penicillium toxicarium. Microscopy Research and Technique, 2021, 84, 2530-2543.	1.2	4
11	A Novel Calix[4]arene Thiourea Decorated with 2â€(2â€Aminophenyl)benzothiazole Moiety as Highly Selective Chemical Gas Sensor for Dichloromethane Vapor. ChemistrySelect, 2021, 6, 4670-4676.	0.7	10
12	Investigation of thermophysical properties of natural zeolite plates enhanced with graphite powder for thermal management of PV thermal systems. Journal of Cleaner Production, 2021, 318, 128558.	4.6	5
13	Synthesis, characterization and chemical sensor properties of a novel Zn(II) phthalocyanine containing 15-membered dioxa-dithia macrocycle moiety. Synthetic Metals, 2021, 280, 116870.	2.1	11
14	Preparation of Zinc (II) phthalocyanine-based LB thin film: Experimental characterization, the determination of some optical properties and the investigation of the optical sensing ability. Optik, 2021, 245, 167661.	1.4	9
15	Cytotoxic and Genotoxic Assessment of Silicon Dioxide Nanoparticles by Allium and Comet Tests. Bulletin of Environmental Contamination and Toxicology, 2020, 104, 215-221.	1.3	25
16	Calix[4]arene-triazine conjugate intermediate: optical properties and gas sensing responses against aromatic hydrocarbons in Langmuirâ€“Blodgett films. Research on Chemical Intermediates, 2020, 46, 4433-4445.	1.3	9
17	An Aminopyridine Bearing Pillar[5]arene-Based QCM Sensor for Chemical Sensing Applications: Design, Experimental Characterization, Data Modeling, and Prediction. IEEE Sensors Journal, 2020, 20, 14732-14739.	2.4	6
18	Developing of Nâ€(4â€methylpyrimidineâ€2â€yl)methacrylamide <scp>Langmuirâ€“Blodgett</scp> thin film chemical sensor via quartz crystal microbalance technique. Microscopy Research and Technique, 2020, 83, 1198-1207.	1.2	4

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19	Fabrication of LB thin film of pillar[5]arene-2-amino-3-hydroxypyridine for the sensing of vapors. Materials Letters, 2020, 267, 127538.	1.3	31
20	Assessment of the cytotoxic and genotoxic potential of pillar[5]arene derivatives by Allium cepa roots and Drosophila melanogaster haemocytes. Ecotoxicology and Environmental Safety, 2020, 192, 110328.	2.9	17
21	Investigation of environmentally volatile pollutants sensing using pillar[5]arene-based macrocycle Langmuirâ€“Blodgett film. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	10
22	Improvement of sensing properties for polymer based gas sensors via hostâ€“guest principles. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2020, 96, 315-323.	0.9	2
23	Fabrication of picoline amide-based calix[4]arene Langmuir-Blodgett thin film for volatile organic vapor sensing application. Molecular Crystals and Liquid Crystals, 2020, 710, 49-65.	0.4	5
24	Chemical Sensor Properties and Mathematical Modeling of Graphene Oxide Langmuir-Blodgett Thin Films. IEEE Sensors Journal, 2019, 19, 9097-9104.	2.4	10
25	Organic vapor sensing properties and characterization of Î±-naphthylmethacrylate LB thin films. Journal of Macromolecular Science - Pure and Applied Chemistry, 2019, 56, 845-853.	1.2	3
26	A novel triazineâ€'bearing calix[4]arene: Design, synthesis and gas sensing affinity for volatile organic compounds. Tetrahedron, 2019, 75, 2521-2528.	1.0	23
27	Haloalkanes and aromatic hydrocarbons sensing using Langmuirâ€“Blodgett thin film of pillar[5]arene-biphenylcarboxylic acid. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 565, 108-117.	2.3	30
28	Cytotoxicity and genotoxicity of cerium oxide micro and nanoparticles by Allium and Comet tests. Ecotoxicology and Environmental Safety, 2019, 168, 408-414.	2.9	36
29	Spun films of perylene diimide derivative for the detection of organic vapors with hostâ€“guest principle. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2018, 92, 137-146.	0.9	4
30	An Optical Vapor Sensor Based on Amphiphilic Block Copolymer Langmuirâ€“Blodgett Films. IEEE Sensors Journal, 2018, 18, 5313-5320.	2.4	7
31	Optical and Vapor Sensing Properties of Calix[4]arene Langmuir-Blodgett Thin Films with Hostâ€“Guest Principles. Journal of Macromolecular Science - Pure and Applied Chemistry, 2018, 55, 526-532.	1.2	18
32	Optical Properties and Swelling Behavior of Fe₃O₄Functionalized Graphene Oxide Composite Thin Film. IEEE Sensors Journal, 2017, 17, 1222-1229.	2.4	8
33	Fabrication and characterization of calix[4]arene Langmuirâ€“Blodgett thin film for gas sensing applications. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2017, 89, 77-84.	0.9	17
34	Preparation of pillar[5]arene-quinoline Langmuirâ€“Blodgett thin films for detection of volatile organic compounds with hostâ€“guest principles. Analyst, The, 2017, 142, 3689-3698.	1.7	41
35	Optical characterization and swelling behaviour of Langmuirâ€“Blodgett thin films of a novel		

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37	Characterization of PDPA-b-PDMA-b-PDPA triblock copolymer Langmuir-Blodgett films for organic vapor sensing application. Molecular Crystals and Liquid Crystals, 2016, 634, 104-117.	0.4	6
38	Characterization of N-cyclohexylmethacrylamide LB thin films for room temperature vapor sensor application. Journal of Macromolecular Science - Pure and Applied Chemistry, 2016, 53, 132-139.	1.2	6
39	Optical Characterization of an N,Nâ€²-Dicyclohexyl-3,4:9,10-Perylene bis(Dicarboximide) Langmuirâ€“Blodgett Film for the Determination of Volatile Organic Compounds. Analytical Letters, 2016, 49, 2573-2586.	1.0	6
40	Swelling behavior of the 2-(4-methoxyphenylamino)-2-oxoethyl methacrylate monomer LB thin film exposed to various organic vapors by quartz crystal microbalance technique. Journal of Macromolecular Science - Pure and Applied Chemistry, 2016, 53, 18-25.	1.2	17
41	Characterization and Gas Sensing Properties of Langmuir-Blodgett Thin Films of Poly(ClNOEMA-co-DEAEMA). Sensor Letters, 2016, 14, 474-483.	0.4	3
42	Characterization of 1,7-dibromo-N,Nâ€²-(bicyclohexyl)-3,4:9,10-perylendiimide Langmuirâ€“Blodgett film for organic vapor sensing application. Applied Surface Science, 2015, 350, 135-141.	3.1	17
43	Characterization and organic vapor sensing properties of Langmuir-Blodgett film using perylendiimide material. Research on Engineering Structures and Materials, 2015, 1, .	0.2	1
44	Fabrication of Langmuirâ€“Blodgett thin film for organic vapor detection using a novel N,Nâ€²-dicyclohexyl-3,4:9,10-perylenebis (dicarboximide). Sensors and Actuators B: Chemical, 2014, 200, 61-68.	4.0	18
45	Thin film characterization and vapor sensing properties of a novel perylenediimide material. Sensors and Actuators B: Chemical, 2011, 160, 65-71.	4.0	16
46	Characterization and organic vapor sensing properties of Langmuirâ€“Blodgett film using a new three oxygen-linked phthalocyanine incorporating lutetium. Sensors and Actuators B: Chemical, 2009, 135, 426-429.	4.0	38
47	A study of Langmuirâ€“Blodgett thin film for organic vapor detection. Materials Letters, 2007, 61, 417-420.	1.3	12
48	Characterisation of Langmuirâ€“Blodgett films of new multinuclear copper and zinc phthalocyanines and their sensing properties to volatile organic vapours. Sensors and Actuators B: Chemical, 2007, 123, 1017-1024.	4.0	44
49	The bisbenzothiazole-p-tert-butylcalix[4]arene-thiourea Langmuirâ€“Blodgett thin films: preparation, optical properties, swelling dynamics and gas sensing properties via hostâ€“guest principles. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 0, , 1.	0.9	0