

Yaser Acikbas

List of Publications by Year in descending order

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49
papers

615
citations

567144

15
h-index

677027

22
g-index

52
all docs

52
docs citations

52
times ranked

502
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterisation of Langmuir-Blodgett films of new multinuclear copper and zinc phthalocyanines and their sensing properties to volatile organic vapours. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 1017-1024.	4.0	44
2	Preparation of pillar[5]arene-quinoline Langmuir-Blodgett thin films for detection of volatile organic compounds with host-guest principles. <i>Analyst</i> , 2017, 142, 3689-3698.	1.7	41
3	Characterization and organic vapor sensing properties of Langmuir-Blodgett film using a new three oxygen-linked phthalocyanine incorporating lutetium. <i>Sensors and Actuators B: Chemical</i> , 2009, 135, 426-429.	4.0	38
4	Cytotoxicity and genotoxicity of cerium oxide micro and nanoparticles by Allium and Comet tests. <i>Ecotoxicology and Environmental Safety</i> , 2019, 168, 408-414.	2.9	36
5	Fabrication of LB thin film of pillar[5]arene-2-amino-3-hydroxypyridine for the sensing of vapors. <i>Materials Letters</i> , 2020, 267, 127538.	1.3	31
6	Haloalkanes and aromatic hydrocarbons sensing using Langmuir-Blodgett thin film of pillar[5]arene-biphenylcarboxylic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 565, 108-117.	2.3	30
7	Cytotoxic and Genotoxic Assessment of Silicon Dioxide Nanoparticles by Allium and Comet Tests. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 215-221.	1.3	25
8	A novel triazine-bearing calix[4]arene: Design, synthesis and gas sensing affinity for volatile organic compounds. <i>Tetrahedron</i> , 2019, 75, 2521-2528.	1.0	23
9	Optical characterization and swelling behaviour of Langmuir-Blodgett thin films of a novel		

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19	A study of Langmuir-Blodgett thin film for organic vapor detection. <i>Materials Letters</i> , 2007, 61, 417-420.	1.3	12
20	Synthesis, characterization and chemical sensor properties of a novel Zn(II) phthalocyanine containing 15-membered dioxo-dithia macrocycle moiety. <i>Synthetic Metals</i> , 2021, 280, 116870.	2.1	11
21	Chemical Sensor Properties and Mathematical Modeling of Graphene Oxide Langmuir-Blodgett Thin Films. <i>IEEE Sensors Journal</i> , 2019, 19, 9097-9104.	2.4	10
22	Investigation of environmentally volatile pollutants sensing using pillar[5]arene-based macrocycle Langmuir-Blodgett film. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	10
23	A Novel Calix[4]arene Thiourea Decorated with 2-(2-Aminophenyl)benzothiazole Moiety as Highly Selective Chemical Gas Sensor for Dichloromethane Vapor. <i>ChemistrySelect</i> , 2021, 6, 4670-4676.	0.7	10
24	Calix[4]arene-triazine conjugate intermediate: optical properties and gas sensing responses against aromatic hydrocarbons in Langmuir-Blodgett films. <i>Research on Chemical Intermediates</i> , 2020, 46, 4433-4445.	1.3	9
25	Recent progress in pillar[n]arene-based thin films on chemical sensor applications. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2021, 100, 39-54.	0.9	9
26	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. <i>Optik</i> , 2021, 245, 167661.	1.4	9
27	Optical Properties and Swelling Behavior of Fe ₃ O ₄ Functionalized Graphene Oxide Composite Thin Film. <i>IEEE Sensors Journal</i> , 2017, 17, 1222-1229.	2.4	8
28	An Optical Vapor Sensor Based on Amphiphilic Block Copolymer Langmuir-Blodgett Films. <i>IEEE Sensors Journal</i> , 2018, 18, 5313-5320.	2.4	7
29	Synthesis and characterization of single-walled carbon nanotube: Cytotoxicity in <i>Allium cepa</i> root tips and molecular docking studies. <i>Microscopy Research and Technique</i> , 2022, 85, 3193-3206.	1.2	7
30	Synthesis of water soluble symmetric and asymmetric pillar[5]arene derivatives: Cytotoxicity, apoptosis and molecular docking studies. <i>Journal of Molecular Structure</i> , 2022, 1265, 133482.	1.8	7
31	Characterization of PDPA- <i>b</i> -PDMA- <i>b</i> -PDPA triblock copolymer Langmuir-Blodgett films for organic vapor sensing application. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 634, 104-117.	0.4	6
32	Characterization of N-cyclohexylmethacrylamide LB thin films for room temperature vapor sensor application. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 132-139.	1.2	6
33	Optical Characterization of an N,N'-Dicyclohexyl-3,4:9,10-Perylene bis(Dicarboximide) Langmuir-Blodgett Film for the Determination of Volatile Organic Compounds. <i>Analytical Letters</i> , 2016, 49, 2573-2586.	1.0	6
34	An Aminopyridine Bearing Pillar[5]arene-Based QCM Sensor for Chemical Sensing Applications: Design, Experimental Characterization, Data Modeling, and Prediction. <i>IEEE Sensors Journal</i> , 2020, 20, 14732-14739.	2.4	6
35	Electrospun polyacrylonitrile (PAN) nanofiber: preparation, experimental characterization, organic vapor sensing ability and theoretical simulations of binding energies. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	1.1	6
36	Investigation of thermophysical properties of natural zeolite plates enhanced with graphite powder for thermal management of PV thermal systems. <i>Journal of Cleaner Production</i> , 2021, 318, 128558.	4.6	5

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37	Fabrication of picoline amide-based calix[4]arene Langmuir-Blodgett thin film for volatile organic vapor sensing application. <i>Molecular Crystals and Liquid Crystals</i> , 2020, 710, 49-65.	0.4	5
38	Spun films of perylene diimide derivative for the detection of organic vapors with host-guest principle. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2018, 92, 137-146.	0.9	4
39	Developing of N-(4-methylpyrimidin-2-yl)methacrylamide Langmuir-Blodgett thin film chemical sensor via quartz crystal microbalance technique. <i>Microscopy Research and Technique</i> , 2020, 83, 1198-1207.	1.2	4
40	Cytotoxicity, antibacterial, and antibiofilm properties of green synthesized silver nanoparticles using <i>Penicillium toxicarium</i> . <i>Microscopy Research and Technique</i> , 2021, 84, 2530-2543.	1.2	4
41	Anisotropic Etching of CVD Grown Graphene for Ammonia Sensing. <i>IEEE Sensors Journal</i> , 2022, 22, 3888-3895.	2.4	4
42	Organic vapor sensing properties and characterization of β -naphthylmethacrylate LB thin films. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2019, 56, 845-853.	1.2	3
43	Characterization and Gas Sensing Properties of Langmuir-Blodgett Thin Films of Poly(CINOEMA-co-DEAEMA). <i>Sensor Letters</i> , 2016, 14, 474-483.	0.4	3
44	Improvement of sensing properties for polymer based gas sensors via host-guest principles. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2020, 96, 315-323.	0.9	2
45	Characterization and organic vapor sensing properties of Langmuir-Blodgett film using perylendiimide material. <i>Research on Engineering Structures and Materials</i> , 2015, 1, .	0.2	1
46	The pillar[5]arene-based spun thin films: preparation, characterization, development of optical and mass sensitive sensors for swelling dynamics and gas sensing abilities. <i>Research on Chemical Intermediates</i> , 2022, 48, 1863-1875.	1.3	1
47	Sensor application of pyridine modified calix[4]arene Langmuir-Blodgett thin film. <i>Optik</i> , 2022, 265, 169492.	1.4	1
48	Stability evaluation of environmentally volatile pollutants sensing devices by developing theoretical calculation and mathematical modeling. <i>Sensors and Actuators A: Physical</i> , 2022, 333, 113216.	2.0	0
49	The bisbenzothiazole-p-tert-butylcalix[4]arene-thiourea Langmuir-Blodgett thin films: preparation, optical properties, swelling dynamics and gas sensing properties via host-guest principles. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 0, , 1.	0.9	0