

Ahmet Altindal

List of Publications by Year in descending order

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66
papers

1,318
citations

331670

21
h-index

395702

33
g-index

66
all docs

66
docs citations

66
times ranked

1059
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and dielectric properties of CuO nanoparticles. <i>Ceramics International</i> , 2017, 43, 10708-10714.	4.8	104
2	Synthesis, characterization and some properties of novel bis(pentafluorophenyl)methoxyl substituted metal free and metallophthalocyanines. <i>Polyhedron</i> , 2006, 25, 3593-3602.	2.2	89
3	Modeling of heavy metal ion adsorption isotherms onto metallophthalocyanine film. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 953-961.	7.8	68
4	Synthesis, characterization, conduction and gas sensing properties of novel multinuclear metallophthalocyanines (Zn, Co) with alkylthio substituents. <i>Polyhedron</i> , 2006, 25, 737-746.	2.2	63
5	Novel ball-type homo- and hetero-dinuclear phthalocyanines with four 1,1'-methylene-dinaphthalen-2-yl bridges: Synthesis and characterization, electrical and gas sensing properties and electrocatalytic performance towards oxygen reduction. <i>Sensors and Actuators B: Chemical</i> , 2010, 145, 355-366.	7.8	52
6	Synthesis and electrochemical, in situ spectroelectrochemical, electrical and gas sensing properties of ball-type homo- and hetero-dinuclear phthalocyanines with four [1a,8b-dihydronaphtho[b]naphthofuro[3,2-d]furan-7,10-diyl] bridges. <i>Synthetic Metals</i> , 2010, 160, 967-977.	3.9	46
7	Charge transport mechanism in bis(double-decker lutetium(III) phthalocyanine) (Lu ₂ Pc ₄) thin film. <i>Synthetic Metals</i> , 2005, 150, 181-187.	3.9	45
8	Ball-type supramolecular metallophthalocyanines with eight perfluorodecyl units: chemosensors for SO ₂ and electrocatalysts for oxygen reduction. <i>Dalton Transactions</i> , 2009, , 3175.	3.3	43
9	<i></i>-Carborane, Ferrocene, and Phthalocyanine Triad for High-Mobility Organic Field-Effect Transistors. <i>Inorganic Chemistry</i> , 2018, 57, 2199-2208.	4.0	43
10	Synthesis and electrochemical, electrical and gas sensing properties of novel mononuclear metal-free, Zn(II), Ni(II), Co(II), Cu(II), Lu(III) and double-decker Lu(III) phthalocyanines substituted with 2-(2H-1,2,3-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl) phenoxy. <i>Synthetic Metals</i> , 2011, 161, 112-123.	3.9	42
11	Synthesis of novel azo-bridged phthalocyanines and their toluene vapour sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 601-608.	7.8	41
12	Synthesis, characterization and electrical and CO ₂ sensing properties of triazine containing three dendritic phthalocyanine. <i>Synthetic Metals</i> , 2005, 155, 211-221.	3.9	31
13	Photovoltaic and electrocatalytic properties of novel ball-type phthalocyanines bridged with four dicumarol. <i>Dalton Transactions</i> , 2012, 41, 5177.	3.3	29
14	Ethanol sensing property of novel phthalocyanines substituted with 3,4-dihydroxy-3-cyclobuten-1,2-dione. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 14-22.	7.8	29
15	Synthesis, characterization, electrochemistry and VOC sensing properties of novel metallophthalocyanines with four cyclohexyl-phenoxyphthalonitrile groups. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 1033-1042.	7.8	26
16	Kinetics of CO ₂ adsorption on ball-type dicopper phthalocyanine thin film. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 373-381.	7.8	26
17	Synthesis, characterization and electrical properties of novel mono- and cofacial bisphthalocyanines bridged with four [1a,8b-dihydronaphtho[b]naphthofuro[3,2-d]furan-7,10-diyl] units. <i>Tetrahedron Letters</i> , 2007, 48, 6326-6329.	1.4	25
18	Synthesis, characterization, OFET and electrochemical properties of novel dimeric metallophthalocyanines. <i>Dalton Transactions</i> , 2013, 42, 6633.	3.3	23

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19	Coumarin-substituted manganese phthalocyanines: synthesis, characterization, photovoltaic behaviour, spectral and electrochemical properties. Dalton Transactions, 2014, 43, 7987.	3.3	23
20	Synthesis, interface (Au/M2Pc2/p-Si), electrochemical and electrocatalytic properties of novel ball-type phthalocyanines. Dalton Transactions, 2012, 41, 7559.	3.3	22
21	Novel indium(III) phthalocyanines; synthesis, photophysical and humidity sensing properties. New Journal of Chemistry, 2016, 40, 5537-5545.	2.8	22
22	Thiazole-substituted non-symmetrical metallophthalocyanines: synthesis, characterization, electrochemical and heavy metal ion sensing properties. New Journal of Chemistry, 2020, 44, 5201-5210.	2.8	22
23	Ferrocenyl Phthalocyanine as Donor in Non-Poly(3-hexylthiophen-2,5-diyl) Bulk Heterojunction Solar Cell. Chemistry - A European Journal, 2018, 24, 6946-6949.	3.3	21
24	Sensing alcohol vapours with novel unsymmetrically substituted metallophthalocyanines. Dalton Transactions, 2019, 48, 9194-9204.	3.3	21
25	Photosensitive field effect transistor based on metallo-phthalocyanines containing (4-pentylphenyl) ethynyl moieties. Synthetic Metals, 2021, 273, 116690.	3.9	20
26	Synthesis, characterization, and electrochemical and electrical properties of a novel ball-type hexanuclear metallophthalocyanine, bridged by calix[4]arenes substituted with four hexyl-thiometallophthalocyanines through nitro coupling. Journal of Porphyrins and Phthalocyanines, 2007, 11, 625-634.	0.8	17
27	Extended hexadeca-substituted cobalt phthalocyanine as an active layer for organic field-effect transistors. Dalton Transactions, 2018, 47, 15017-15023.	3.3	17
28	Synthesis of Peripherally Tetrasubstituted Phthalocyanines and Their Applications in Schottky Barrier Diodes. Journal of Chemistry, 2017, 2017, 1-9.	1.9	16
29	Synthesis and characterization of novel cofacial bis-phthalocyanines containing 16-crown-5 ether groups. Tetrahedron Letters, 2008, 49, 896-900.	1.4	15
30	Influence of humidity on kinetics of xylene adsorption onto ball-type hexanuclear metallophthalocyanine thin film. Microelectronic Engineering, 2015, 134, 7-13.	2.4	15
31	A conformationally stressed novel ball-type perylene diimide appended zinc(II) phthalocyanine hybrid: spectroelectrochemical, electrocolorimetric and photovoltaic properties. Dalton Transactions, 2015, 44, 158-166.	3.3	15
32	Synthesis, characterization and ethanol sensing properties of carboxylic acid-terminated naphthoxy substituted phthalocyanines. Synthetic Metals, 2018, 246, 7-15.	3.9	15
33	Metallophthalocyanines bearing four 3-(pyrrol-1-yl)phenoxy units as photosensitizer for dye-sensitized solar cells. Dyes and Pigments, 2018, 156, 267-275.	3.7	14
34	Electrical properties of tetraazamacrocyclic-substituted phthalocyanines. Synthetic Metals, 1992, 52, 291-297.	3.9	13
35	Synthesis of Ni(II) porphyrine peripherally octa-substituted with the 4-tert-butylbenzylthio moiety and electronic properties of the Al/Ni(II)Pz/p-Si Schottky barrier diode. Polyhedron, 2012, 38, 121-125.	2.2	13
36	Electrochemical and photovoltaic studies on water soluble triads: Metallo-supramolecular self-assembly of ditopic bis(imidazole)perylene diimide with platinum(II)-, and palladium(II)-2,2',6',6'-terpyridyl complex ions. Dyes and Pigments, 2017, 144, 190-202.	3.7	12

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37	Comparative study of I ² V methods to extract Au/FePc/p-Si Schottky barrier diode parameters. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	12
38	Investigation of the photoconductive properties of thiophene substituted metallo-phthalocyanines. Dalton Transactions, 2020, 49, 9385-9392.	3.3	12
39	Gamma ray irradiation dose dependent methanol sensing with ZnO nanoparticles. Materials Chemistry and Physics, 2021, 264, 124473.	4.0	12
40	Schottky barrier diode parameters of Ag/MgPc/p-Si structure. Journal of Porphyrins and Phthalocyanines, 2012, 16, 855-860.	0.8	11
41	Spectroscopic, electrochemical and photovoltaic properties of Pt(II) and Pd(II) complexes of a chelating 1,10-phenanthroline appended perylene diimide. Dalton Transactions, 2018, 47, 2549-2560.	3.3	11
42	A.c. and d.c. conduction processes in octakis[(4-tert-butylbenzylthio)-porphyrinato]Cu(II) thin films with gold electrodes. Bulletin of Materials Science, 2014, 37, 461-468.	1.7	10
43	Synthesis, characterization, conduction, and dielectric properties of tetra-tert-butylsulfanyl substituted phthalocyanines. Journal of Coordination Chemistry, 2015, 68, 717-731.	2.2	10
44	Novel 4,4'-bis((diphenylmethylene) bis(4,1-phenylene)bis(oxy))-bridged ball-type phthalocyanines: Electrochemical, electrocatalytic oxygen reducing and heavy metals ions sensing properties. Journal of Porphyrins and Phthalocyanines, 2016, 20, 1319-1333.	0.8	10
45	Synthesis and characterization, electrical and gas sensing properties of N,N'-bis(salicylidene)-1,2-phenyldiamine substituted novel mono and ball-type metallo phthalocyanines. Inorganica Chimica Acta, 2015, 428, 83-92.	2.4	9
46	Partition coefficient-Lewis basicity correlation in four dioxycyclobutenedion-bridged novel ball-type phthalocyanines. Synthetic Metals, 2016, 212, 25-30.	3.9	8
47	Toluene vapor sensing characteristics of novel copper(II), indium(III), mono-lutetium(III) and tin(IV) phthalocyanines substituted with 2,6-dimethoxyphenoxy bioactive moieties. Journal of Porphyrins and Phthalocyanines, 2018, 22, 189-197.	0.8	8
48	Electrochemical, photovoltaic and DFT studies on hybrid materials based on supramolecular self-assembly of a ditopic twisted perylene diimide with square-planar platinum(II)- and/or palladium(II)-2,2',6',6'-terpyridyl complex ions. Dyes and Pigments, 2019, 161, 66-78.	3.7	8
49	Synthesis, characterization and OFET property of four diaminouracil bridged novel ball-type phthalocyanines. Journal of Porphyrins and Phthalocyanines, 2018, 22, 149-156.	0.8	7
50	Synthesis, characterization and ethanol sensing properties of peripheral and non-peripheral tetrakis-(3,6-dihexyl-7-oxy-4-methylcoumarin)substituted zinc(II), cobalt(II), and copper(II) phthalocyanines. Dyes and Pigments, 2019, 171, 107741.	3.7	7
51	Synthesis, characterization and VOCs adsorption kinetics of diethylstilbestrol-substituted metallophthalocyanines. Journal of Porphyrins and Phthalocyanines, 2019, 23, 166-174.	0.8	7
52	Synthesis, thermal, and electrical properties of stilbene-bridged polymeric zinc phthalocyanine. Designed Monomers and Polymers, 2014, 17, 58-68.	1.6	6
53	Synthesis, characterization and photovoltaic behaviours of peripheral and non-peripheral tetra-[4-(4-octylpiperazin-1-yl)phenoxy] substituted zinc(II), cobalt(II), copper(II) and indium(III) phthalocyanines. Inorganica Chimica Acta, 2019, 490, 35-44.	2.4	6
54	Structural, spectroscopic and passivation properties of a novel binuclear clamshell-type zinc(II) phthalocyanine as gate dielectric for OFET. Journal of Porphyrins and Phthalocyanines, 2018, 22, 64-76.	0.8	4

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55	Highly soluble tetrasubstituted lanthanide bis-phthalocyanines; synthesis, characterization, electrical properties and aggregation studies. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016, 20, 1065-1074.	0.8	3
56	Kinetic Studies of the Adsorption of Chlorinated Hydrocarbons Onto Phthalocyanine Thin Film. <i>IEEE Sensors Journal</i> , 2017, 17, 121-126.	4.7	3
57	Ethanol sensing with pure and boric acid doped electrospun CuInS ₂ nanofibers in the presence of relative humidity. <i>Materials Science in Semiconductor Processing</i> , 2019, 104, 104651.	4.0	3
58	Electrochemical, spectroelectrochemical, electrocatalytic oxygen reducing, and heavy metal ion sensing properties of novel tetrakis-[4-((2, 8-bis (trifluoromethyl) quinolin-4-yl) oxyl)] substituted metallophthalocyanines. <i>Journal of Molecular Structure</i> , 2022, 1250, 131707.	3.6	3
59	Synthesis and photovoltaic properties of novel ferrocene-substituted metallophthalocyanines. <i>Dalton Transactions</i> , 2022, 51, 570-579.	3.3	3
60	Synthesis, characterization, OFET, and DFT study of the novel ball-type metallophthalocyanines bridged with four diaminopyrimidine-dithiol. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 662-674.	0.8	2
61	Nitrate Ion Sensing Properties of Peripheral 3,4,5-Trimethoxyphenoxy and Chlorine Substituted Metallo and Metal-free Phthalocyanines. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 1436-1447.	3.7	2
62	Triphenylamine substituted copper and zinc phthalocyanines as alternative hole-transporting materials for solution-processed perovskite solar cells. <i>Dalton Transactions</i> , 2022, 51, 9385-9396.	3.3	2
63	Highly sensitive heavy metal ion detection using AlQ ₃ microwire functionalized QCM. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
64	The effect of dipole moment of analytes on the response of phthalocyanine thin films. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0
65	Unsymmetrical zinc phthalocyanines containing thiophene and amine groups as donor for bulk heterojunction solar cells. <i>Turkish Journal of Chemistry</i> , 2021, 45, 694-703.	1.2	0
66	Synthesis, characterization and VOCs adsorption kinetics of diethylstilbestrol-substituted metallophthalocyanines. , 2021, , 991-999.		0