

Ahmet Altindal

List of Publications by Year in descending order

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66
papers

1,318
citations

331670

21
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395702

33
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all docs

66
docs citations

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times ranked

1059
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Synthesis and photovoltaic properties of novel ferrocene-substituted metallophthalocyanines. <i>Dalton Transactions</i> , 2022, 51, 570-579.	3.3	3
3	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
4	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
5	Photosensitive field effect transistor based on metallo-phthalocyanines containing (4-pentylphenyl) ethynyl moieties. <i>Synthetic Metals</i> , 2021, 273, 116690.	3.9	20
6	Gamma ray irradiation dose dependent methanol sensing with ZnO nanoparticles. <i>Materials Chemistry and Physics</i> , 2021, 264, 124473.	4.0	12
7	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
8	Synthesis, characterization and VOCs adsorption kinetics of diethylstilbestrol-substituted metallophthalocyanines. , 2021, , 991-999.		0
9	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
10	Investigation of the photoconductive properties of thiophene substituted metallo-phthalocyanines. <i>Dalton Transactions</i> , 2020, 49, 9385-9392.	3.3	12
11	Thiazole-substituted non-symmetrical metallophthalocyanines: synthesis, characterization, electrochemical and heavy metal ion sensing properties. <i>New Journal of Chemistry</i> , 2020, 44, 5201-5210.	2.8	22
12	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. <i>Dyes and Pigments</i> , 2019, 171, 107741.	3.7	7
13	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
14	Sensing alcohol vapours with novel unsymmetrically substituted metallophthalocyanines. <i>Dalton Transactions</i> , 2019, 48, 9194-9204.	3.3	21
15	Synthesis, characterization and VOCs adsorption kinetics of diethylstilbestrol-substituted metallophthalocyanines. <i>Journal of Porphyrins and Phthalocyanines</i> , 2019, 23, 166-174.	0.8	7
16	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. <i>Inorganica Chimica Acta</i> , 2019, 490, 35-44.	2.4	6
17	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. <i>Dyes and Pigments</i> , 2019, 161, 66-78.	3.7	8
18	Ferrocenyl Phthalocyanine as Donor in Non-Poly(3-hexylthiophene-2,5-diyl) Bulk Heterojunction Solar Cell. <i>Chemistry - A European Journal</i> , 2018, 24, 6946-6949.	3.3	21

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19	Metallophthalocyanines bearing four 3-(pyrrol-1-yl)phenoxy units as photosensitizer for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2018, 156, 267-275.	3.7	14
20	Toluene vapor sensing characteristics of novel copper(II), indium(III), mono-lutetium(III) and tin(IV) phthalocyanines substituted with 2,6-dimethoxyphenoxy bioactive moieties. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018, 22, 189-197.	0.8	8
21	Structural, spectroscopic and passivation properties of a novel binuclear clamshell-type zinc(II) phthalocyanine as gate dielectric for OFET. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018, 22, 64-76.	0.8	4
22	<i>i>o</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
23	Synthesis, characterization and OFET property of four diaminouracil bridged novel ball-type phthalocyanines. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018, 22, 149-156.	0.8	7
24	Spectroscopic, electrochemical and photovoltaic properties of Pt(<i><scp>ii</scp></i>) and Pd(<i><scp>ii</scp></i>) complexes of a chelating 1,10-phenanthroline appended perylene diimide. <i>Dalton Transactions</i> , 2018, 47, 2549-2560.	3.3	11
25	Comparative study of <i>l</i> â€“V methods to extract Au/FePc/p-Si Schottky barrier diode parameters. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	12
26	Ï€-Extended hexadeca-substituted cobalt phthalocyanine as an active layer for organic field-effect transistors. <i>Dalton Transactions</i> , 2018, 47, 15017-15023.	3.3	17
27	Synthesis, characterization and ethanol sensing properties of carboxylic acid-terminated naphthoxy substituted phthalocyanines. <i>Synthetic Metals</i> , 2018, 246, 7-15.	3.9	15
28	Electrochemical and photovoltaic studies on water soluble triads: Metallosupramolecular self-assembly of ditopic bis(imidazole)perylene diimide with platinum(II)-, and palladium(II)-2,2â€²:6â€²:2â€³-terpyridyl complex ions. <i>Dyes and Pigments</i> , 2017, 144, 190-202.	3.7	12
29	Kinetic Studies of the Adsorption of Chlorinated Hydrocarbons Onto Phthalocyanine Thin Film. <i>IEEE Sensors Journal</i> , 2017, 17, 121-126.	4.7	3
30	Synthesis of Peripherally Tetrasubstituted Phthalocyanines and Their Applications in Schottky Barrier Diodes. <i>Journal of Chemistry</i> , 2017, 2017, 1-9.	1.9	16
31	Structural and dielectric properties of CuO nanoparticles. <i>Ceramics International</i> , 2017, 43, 10708-10714.	4.8	104
32	Highly sensitive heavy metal ion detection using AlQ3 microwire functionalized QCM. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
33	Novel indium(<i><scp>iii</scp></i>) phthalocyanines; synthesis, photophysical and humidity sensing properties. <i>New Journal of Chemistry</i> , 2016, 40, 5537-5545.	2.8	22
34	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
35	Modeling of heavy metal ion adsorption isotherms onto metallophthalocyanine film. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 953-961.	7.8	68
36	Novel 4,4â€²- <i>{(diphenylmethylene) bis(4,1-phenylene)bis(oxy)}</i> -bridged ball-type phthalocyanines: Electrochemical, electrocatalytic oxygen reducing and heavy metals ions sensing properties. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016, 20, 1319-1333.	0.8	10

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37	The effect of dipole moment of analytes on the response of phthalocyanine thin films. AIP Conference Proceedings, 2016, . .	0.4	0
38	Partition coefficient-Lewis basicity correlation in four dioxycyclobutenedion-bridged novel ball-type phthalocyanines. Synthetic Metals, 2016, 212, 25-30.	3.9	8
39	Synthesis and characterization, electrical and gas sensing properties of N,Nâ€²-bis(salicylidene)-1,2-phenyldiamine substituted novel mono and ball-type metallo phthalocyanines. Inorganica Chimica Acta, 2015, 428, 83-92.	2.4	9
40	Synthesis, characterization, conduction, and dielectric properties of tetra <i>tert</i>-butylsulfanyl substituted phthalocyanines. Journal of Coordination Chemistry, 2015, 68, 717-731.	2.2	10
41	Influence of humidity on kinetics of xylene adsorption onto ball-type hexanuclear metallophthalocyanine thin film. Microelectronic Engineering, 2015, 134, 7-13.	2.4	15
42	A conformationally stressed novel ball-type perylenediimide appended zinc(ii)phthalocyanine hybrid: spectroelectrochemical, electrocolorimetric and photovoltaic properties. Dalton Transactions, 2015, 44, 158-166.	3.3	15
43	Synthesis of novel azo-bridged phthalocyanines and their toluene vapour sensing properties. Sensors and Actuators B: Chemical, 2015, 206, 601-608.	7.8	41
44	Synthesis, thermal, and electrical properties of stilbene-bridged polymeric zinc phthalocyanine. Designed Monomers and Polymers, 2014, 17, 58-68.	1.6	6
45	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
46	Coumarin-substituted manganese phthalocyanines: synthesis, characterization, photovoltaic behaviour, spectral and electrochemical properties. Dalton Transactions, 2014, 43, 7987.	3.3	23
47	Ethanol sensing property of novel phthalocyanines substituted with 3,4-dihydroxy-3-cyclobuten-1,2-dione. Sensors and Actuators B: Chemical, 2014, 202, 14-22.	7.8	29
48	Kinetics of CO ₂ adsorption on ball-type dicopper phthalocyanine thin film. Sensors and Actuators B: Chemical, 2014, 202, 373-381.	7.8	26
49	Synthesis, characterization, electrochemistry and VOC sensing properties of novel metallophthalocyanines with four cyclohexyl-phenoxyphthalonitrile groups. Sensors and Actuators B: Chemical, 2013, 188, 1033-1042.	7.8	26
50	Synthesis, characterization, OFET and electrochemical properties of novel dimeric metallophthalocyanines. Dalton Transactions, 2013, 42, 6633.	3.3	23
51	Schottky barrier diode parameters of Ag/MgPc/p-Si structure. Journal of Porphyrins and Phthalocyanines, 2012, 16, 855-860.	0.8	11
52	Synthesis, interface (Au/M ₂ Pc ₂ /p-Si), electrochemical and electrocatalytic properties of novel ball-type phthalocyanines. Dalton Transactions, 2012, 41, 7559.	3.3	22
53	Photovoltaic and electrocatalytic properties of novel ball-type phthalocyanines bridged with four dicumarol. Dalton Transactions, 2012, 41, 5177.	3.3	29
54	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

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55	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
56	Novel ball-type homo- and hetero-dinuclear phthalocyanines with four 1,1'-methylenediphenyl-2-ol 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
57	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
58	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
59	Synthesis and characterization of novel cofacial bis-phthalocyanines containing 16-crown-5 ether groups. <i>Tetrahedron Letters</i> , 2008, 49, 896-900.	1.4	15
60	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. <i>Journal of Porphyrins and Phthalocyanines</i> , 2007, 11, 625-634.	0.8	17
61	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
62	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
63	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
64	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
65	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
66	Electrical properties of tetraazamacrocyclic-substituted phthalocyanines. <i>Synthetic Metals</i> , 1992, 52, 291-297.	3.9	13