

Aseel Hassan

List of Publications by Year in descending order

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430874

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42
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42
docs citations

42
times ranked

985
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of noble metal coatings and nanoparticles for the modification of medical implant materials. <i>Materials and Design</i> , 2021, 204, 109672.	7.0	68
2	Composite materials of P3HT:PCBM with pyrene substituted zinc(II) phthalocyanines: Characterisation and application in organic solar cells. <i>Solar Energy</i> , 2019, 189, 1-7.	6.1	14
3	Pyrene containing liquid crystalline asymmetric phthalocyanines and their composite materials with single-walled carbon nanotubes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018, 22, 56-63.	0.8	8
4	Preparation of single walled carbon nanotube-pyrene 3D hybrid nanomaterial and its sensor response to ammonia. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 853-860.	7.8	32
5	Interaction of metal phthalocyanines with carbon zigzag and armchair nanotubes with different diameters. <i>Applied Surface Science</i> , 2018, 457, 235-240.	6.1	16
6	The effects of solvent treated PEDOT:PSS buffer layer in organic solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 13889-13896.	2.2	3
7	Thin films of chlorosubstituted vanadyl phthalocyanine: charge transport properties and optical spectroscopy study of structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 16791-16798.	2.2	5
8	Highly reproducible perovskite solar cells via controlling the morphologies of the perovskite thin films by the solution-processed two-step method. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 16426-16436.	2.2	8
9	Synthesis and organic solar cell performance of BODIPY and coumarin functionalized SWCNTs or graphene oxide nanomaterials. <i>Dalton Transactions</i> , 2018, 47, 9617-9626.	3.3	27
10	Organic solar cells: Study of combined effects of active layer nanostructure and electron and hole transport layers. <i>Thin Solid Films</i> , 2017, 636, 760-764.	1.8	14
11	Effect of covalent and non-covalent linking of zinc(II) phthalocyanine functionalised carbon nanomaterials on the sensor response to ammonia. <i>Synthetic Metals</i> , 2017, 227, 78-86.	3.9	28
12	Metal Ir coatings on endocardial electrode tips, obtained by MOCVD. <i>Applied Surface Science</i> , 2017, 425, 1052-1058.	6.1	16
13	High performance ternary solar cells based on P3HT:PCBM and ZnPc-hybrids. <i>RSC Advances</i> , 2016, 6, 93453-93462.	3.6	33
14	Liquid crystalline metal phthalocyanines: Structural organization on the substrate surface. <i>Coordination Chemistry Reviews</i> , 2016, 310, 131-153.	18.8	59
15	Efficient P3HT:PCBM bulk heterojunction organic solar cells; effect of post deposition thermal treatment. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 7038-7048.	2.2	51
16	Effect of covalent and non-covalent linking on the structure, optical and electrical properties of novel zinc(II) phthalocyanine functionalized carbon nanomaterials. <i>Polyhedron</i> , 2016, 110, 37-45.	2.2	25
17	Surface interaction of copper phthalocyanine modified single walled carbon nanotubes with pesticides. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 780-788.	7.8	7
18	Metal salt modified PEDOT:PSS as anode buffer layer and its effect on power conversion efficiency of organic solar cells. <i>Organic Electronics</i> , 2015, 24, 73-79.	2.6	63

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19	Trimethylamine sorption into thin layers of fluoroalkoxy and alkyloxy substituted phthalocyanines: Optical detection and DFT calculations. <i>Sensors and Actuators B: Chemical</i> , 2015, 216, 204-211.	7.8	17
20	Copper Phthalocyanine Functionalized Single-Walled Carbon Nanotubes: Thin Films for Optical Detection. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 2157-2167.	0.9	11
21	Hybrid materials of pyrene substituted phthalocyanines with single-walled carbon nanotubes: structure and sensing properties. <i>RSC Advances</i> , 2015, 5, 91855-91862.	3.6	30
22	The Effect of Fullerene Derivatives Ratio on P3HT-based Organic Solar Cells. <i>Energy Procedia</i> , 2015, 74, 439-445.	1.8	22
23	Dye-modified carbon nanotubes for the optical detection of amines vapours. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 224-234.	7.8	36
24	Effect of pyrene substitution on the formation and sensor properties of phthalocyanine-single walled carbon nanotube hybrids. <i>Sensors and Actuators B: Chemical</i> , 2014, 199, 277-283.	7.8	48
25	Distribution of single-walled carbon nanotubes in pyrene containing liquid crystalline asymmetric zinc phthalocyanine matrix. <i>Dalton Transactions</i> , 2014, 43, 4689.	3.3	15
26	Copper phthalocyanine/single walled carbon nanotubes hybrid thin films for pentachlorophenol detection. <i>Sensors and Actuators B: Chemical</i> , 2014, 190, 990-998.	7.8	18
27	Optical Detection of Herbicides in Water using Dye-Modified Single Walled Carbon Nanotubes. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2014, 7, 1-5.	0.7	0
28	Ammonia sorption studies into thin layers of hexadecafluorinated cobalt phthalocyanine using optical techniques. <i>Journal of Porphyrins and Phthalocyanines</i> , 2013, 17, 934-940.	0.8	5
29	Study of the interaction between simazine and metal-substituted phthalocyanines using spectral methods. <i>Sensors and Actuators B: Chemical</i> , 2012, 175, 73-77.	7.8	10
30	Effect of substituents on the orientation of octasubstituted copper(II) phthalocyanine thin films. <i>Synthetic Metals</i> , 2012, 162, 735-742.	3.9	21
31	Phthalocyanine films as active layers of optical sensors for pentachlorophenol and simazine detection. <i>Procedia Engineering</i> , 2011, 25, 272-275.	1.2	7
32	Orientation of the liquid crystalline nickel phthalocyanine films confined between electrodes. <i>Synthetic Metals</i> , 2011, 161, 1996-2000.	3.9	15
33	The synthesis and characterization of novel mesomorphic octa- and tetra-alkylthio-substituted lead phthalocyanines and their films. <i>Dyes and Pigments</i> , 2011, 88, 280-289.	3.7	18
34	Effects of interactions with the surface on the orientation of the mesogenic monoazacrown-substituted phthalocyanine films. <i>Thin Solid Films</i> , 2010, 518, 5745-5752.	1.8	11
35	Optical detection of pentachlorophenol in water using thin films of octa-tosylamido substituted zinc phthalocyanine. <i>Sensors and Actuators B: Chemical</i> , 2010, 150, 523-528.	7.8	27
36	Vapour pressure of tetra-tert-butyl substituted phthalocyanines. <i>Thermochimica Acta</i> , 2010, 501, 108-111.	2.7	10

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37	Phthalocyanine films as active layers of optical sensors for pentachlorophenol detection. <i>Sensors and Actuators B: Chemical</i> , 2009, 139, 557-562.	7.8	35
38	Volatile Phthalocyanines: Vapor Pressure and Thermodynamics. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2009, 34, 180-189.	12.3	16
39	Effect of Interface on the Orientation of the Liquid Crystalline Nickel Phthalocyanine Films. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19251-19257.	3.1	25
40	Spectral characterization of thin films of vanadyl hexadecafluorophthalocyanine VOPcF16. <i>Surface Science</i> , 2008, 602, 2368-2372.	1.9	13
41	Copper Phthalocyanine Functionalized Single-Walled Carbon Nanotubes: Thin Film Deposition and Sensing Properties. <i>Key Engineering Materials</i> , 0, 605, 461-464.	0.4	7