

# Hameed A Al-Attar

## List of Publications by Year in descending order

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52  
papers

1,975  
citations

236833

25  
h-index

243529

44  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2450  
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-Temperature Phosphorescence From Films of Isolated Water-Soluble Conjugated Polymers in Hydrogen-Bonded Matrices. <i>Advanced Functional Materials</i> , 2012, 22, 3824-3832.	7.8	149
2	White polymeric light-emitting diode based on a fluorene polymer-Ir complex blend system. <i>Applied Physics Letters</i> , 2005, 86, 121101.	1.5	134
3	Tris-Cyclometalated Iridium(III) Complexes of Carbazole(fluorenyl)pyridine Ligands: Synthesis, Redox and Photophysical Properties, and Electrophosphorescent Light-Emitting Diodes. <i>Chemistry - A European Journal</i> , 2007, 13, 1423-1431.	1.7	109
4	Cyclometalated Ir(III) Complexes for High-Efficiency Solution-Processable Blue PhOLEDs. <i>Chemistry of Materials</i> , 2013, 25, 2352-2358.	3.2	108
5	Colour tuning from green to red by substituent effects in phosphorescent tris-cyclometalated iridium(iii) complexes of carbazole-based ligands: synthetic, photophysical, computational and high efficiency OLED studies. <i>Journal of Materials Chemistry</i> , 2012, 22, 6419.	6.7	96
6	Effect of Surfactant on Water-Soluble Conjugated Polymer Used in Biosensor. <i>Journal of Physical Chemistry B</i> , 2007, 111, 12418-12426.	1.2	83
7	Dopant Effect on the Charge Injection, Transport, and Device Efficiency of an Electrophosphorescent Polymeric Light-Emitting Device. <i>Advanced Functional Materials</i> , 2006, 16, 2231-2242.	7.8	75
8	Electric Field Induce Blue Shift and Intensity Enhancement in 2D Exciplex Organic Light Emitting Diodes; Controlling Electron-Hole Separation. <i>Advanced Materials</i> , 2016, 28, 8014-8020.	11.1	67
9	Highly Efficient, Solution-Processed, Single-Layer, Electrophosphorescent Diodes and the Effect of Molecular Dipole Moment. <i>Advanced Functional Materials</i> , 2011, 21, 2376-2382.	7.8	66
10	Bimetallic Cyclometalated Iridium(III) Diastereomers with Non-Innocent Bridging Ligands for High-Efficiency Phosphorescent OLEDs. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11616-11619.	7.2	65
11	High efficiency OLEDs based on anthracene derivatives: The impact of electron donating and withdrawing group on the performance of OLED. <i>Organic Electronics</i> , 2016, 30, 149-157.	1.4	65
12	The Use of Substituted Iridium Complexes in Doped Polymer Electrophosphorescent Devices: The Influence of Triplet Transfer and Other Factors on Enhancing Device Performance. <i>Advanced Functional Materials</i> , 2006, 16, 1043-1050.	7.8	62
13	Bridged diiridium complexes for electrophosphorescent OLEDs: synthesis, X-ray crystal structures, photophysics, and devices. <i>Journal of Materials Chemistry</i> , 2006, 16, 1046.	6.7	61
14	Efficient Light-Emitting Electrochemical Cells (LECs) Based on Ionic Iridium(III) Complexes with 1,3,4-Oxadiazole Ligands. <i>Advanced Functional Materials</i> , 2013, 23, 4667-4677.	7.8	53
15	Carrier diffusion measurements in InSb by the angular dependence of degenerate four-wave mixing. <i>Optics Letters</i> , 1985, 10, 187.	1.7	48
16	Oligo(fluorenyl)pyridine ligands and their tris-cyclometalated iridium(iii) complexes: synthesis, photophysical properties and electrophosphorescent devices. <i>Journal of Materials Chemistry</i> , 2005, 15, 4963.	6.7	42
17	Dinuclear iridium(iii) complexes of cyclometalated fluorenylpyridine ligands as phosphorescent dopants for efficient solution-processed OLEDs. <i>Journal of Materials Chemistry</i> , 2012, 22, 13529.	6.7	41
18	Efficient deep blue fluorescent polymer light-emitting diodes (PLEDs). <i>Journal of Materials Chemistry C</i> , 2014, 2, 5587-5592.	2.7	38

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19	Improved single nucleotide polymorphisms detection using conjugated polymer/surfactant system and peptide nucleic acid. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1466-1472.	5.3	35
20	Effect of PEDOT/PSS resistivity and work function on PLED performance. <i>Organic Electronics</i> , 2014, 15, 245-250.	1.4	32
21	Sulfonyl-Substituted Heteroleptic Cyclometalated Iridium(III) Complexes as Blue Emitters for Solution-Processable Phosphorescent Organic Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2016, 55, 8612-8627.	1.9	32
22	Bright green PhOLEDs using cyclometalated diiridium(III) complexes with bridging oxamidato ligands as phosphorescent dopants. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6777-6789.	2.7	30
23	Absolute measurements of the triplet-triplet annihilation rate and the charge-carrier recombination layer thickness in working polymer light-emitting diodes based on polyspirobifluorene. <i>Physical Review B</i> , 2005, 72, .	1.1	29
24	High brightness deep blue/violet fluorescent polymer light-emitting diodes (PLEDs). <i>Journal of Materials Chemistry C</i> , 2015, 3, 9664-9669.	2.7	29
25	Effect of Surfactant on FRET and Quenching in DNA Sequence Detection Using Conjugated Polymers. <i>Advanced Functional Materials</i> , 2008, 18, 2498-2509.	7.8	28
26	Spectroscopic ellipsometry of electrochemically prepared thin film polyaniline. <i>Thin Solid Films</i> , 2003, 429, 286-294.	0.8	26
27	Luminescent Platinum(II) Complexes Containing Cyclometallated Diaryl Ketimine Ligands: Synthesis, Photophysical and Computational Properties. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1963-1972.	1.0	25
28	Fabrication of ZnO nanorod/p-GaN high-brightness UV LED by microwave-assisted chemical bath deposition with Zn(OH) <sub>2</sub> /PVA nanocomposites as seed layer. <i>Optical Materials</i> , 2013, 35, 1035-1041.	1.7	24
29	Solution processed multilayer polymer light-emitting diodes based on different molecular weight host. <i>Journal of Applied Physics</i> , 2011, 109, 074516.	1.1	23
30	Fluorene co-polymers with high efficiency deep-blue electroluminescence. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2479-2483.	2.7	23
31	Optical constants of polyaniline/poly(methylmethacrylate) blend. <i>Optics Communications</i> , 2004, 229, 263-270.	1.0	21
32	The role of exciplex states in phosphorescent OLEDs with poly(vinylcarbazole) (PVK) host. <i>Organic Electronics</i> , 2015, 20, 97-102.	1.4	21
33	Regenerative pulsations in an InSb bistable etalon. <i>Optics Communications</i> , 1986, 60, 181-186.	1.0	20
34	Solution-processable ambipolar host oligomers with high triplet energies for phosphorescent green emitters. <i>Journal of Materials Chemistry</i> , 2011, 21, 18439.	6.7	20
35	Critical slowing-down phenomena in an InSb optically bistable Å©talon. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1986, 3, 1157.	0.9	19
36	Carbazole based polymers as hosts for blue iridium emitters: synthesis, photophysics and high efficiency PLEDs. <i>Journal of Materials Chemistry C</i> , 2013, 1, 8209.	2.7	19

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37	FRET and Competing Processes between Conjugated Polymer and Dye Substituted DNA Strands: A Comparative Study of Probe Selection in DNA Detection. <i>Biomacromolecules</i> , 2009, 10, 1077-1083.	2.6	17
38	Pyridylpyrazole N <sup>N</sup> ligands combined with sulfonyl-functionalised cyclometalating ligands for blue-emitting iridium( <i>iii</i> ) complexes and solution-processable PhOLEDs. <i>Dalton Transactions</i> , 2017, 46, 10996-11007.	1.6	17
39	Four-wave mixing in indium antimonide. <i>IEEE Journal of Quantum Electronics</i> , 1986, 22, 1328-1340.	1.0	16
40	Synthesis and spectroscopic characterization studies of low molecular weight light emitting PPV segmented copolymers. <i>Optical Materials</i> , 2009, 32, 350-357.	1.7	11
41	Spectroscopic ellipsometry investigation of azo dye and azo dye doped polymer. <i>EPJ Applied Physics</i> , 2007, 37, 61-64.	0.3	10
42	Conformationally-restricted bicarbazoles with phenylene bridges displaying deep-blue emission and high triplet energies: systematic structure-property relationships. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 11867-11875.	1.3	10
43	Frequency optimisation of InSb, optically-bistable elements. <i>Optics Communications</i> , 1986, 58, 433-438.	1.0	9
44	A new highly photorefractive polymer composite for optical data storage application. <i>Journal of Optics</i> , 2003, 5, S487-S492.	1.5	8
45	Polylactide- <i>perylene</i> derivative for blue biodegradable organic light-emitting diodes. <i>Polymer International</i> , 2021, 70, 51-58.	1.6	8
46	Polypyrrole conductive polymer characteristics as an optical display device. <i>Polymer Engineering and Science</i> , 1999, 39, 2482-2486.	1.5	7
47	Spectroscopic ellipsometry of single and multilayer amorphous germanium/aluminum thin film systems. <i>Optics Communications</i> , 2003, 220, 129-135.	1.0	7
48	Phase conjugation by degenerate four wave mixing in InSb with a cw CO laser. <i>Optics Communications</i> , 1984, 51, 352-356.	1.0	6
49	The gain-bandwidth of an InSb transphaser. <i>IEEE Journal of Quantum Electronics</i> , 1986, 22, 663-670.	1.0	6
50	Controlled energy transfer between isolated donor-acceptor molecules intercalated in thermally self-ensemble two-dimensional hydrogen bonding cages. <i>Physical Review B</i> , 2012, 86, .	1.1	5
51	The switching dynamics and noise limitations of indium antimonide bistable elements. <i>IEEE Journal on Selected Areas in Communications</i> , 1988, 6, 1152-1159.	9.7	4
52	White polymeric light-emitting diode based on a fluorene polymer/Ir complex blend system. , 2005, 5961, 58.		1