

# Alaâ€a O El-Ballouli

## List of Publications by Year in descending order

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19  
papers

760  
citations

567281

15  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

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times ranked

1528  
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated Synthesis of Photovoltaic-Quality Colloidal Quantum Dots Using Separate Nucleation and Growth Stages. <i>ACS Nano</i> , 2013, 7, 10158-10166.	14.6	97
2	Quantum Confinement-Tunable Ultrafast Charge Transfer at the PbS Quantum Dot and Phenyl-C <sub>61</sub> -butyric Acid Methyl Ester Interface. <i>Journal of the American Chemical Society</i> , 2014, 136, 6952-6959.	13.7	97
3	Compositional, Processing, and Interfacial Engineering of Nanocrystal- and Quantum-Dot-Based Perovskite Solar Cells. <i>Chemistry of Materials</i> , 2019, 31, 6387-6411.	6.7	82
4	Bis(carbazolyl) derivatives of pyrene and tetrahydropyrene: synthesis, structures, optical properties, electrochemistry, and electroluminescence. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1638.	5.5	77
5	Characterization of Size, Anisotropy, and Density Heterogeneity of Nanoparticles by Sedimentation Velocity. <i>Analytical Chemistry</i> , 2014, 86, 7688-7695.	6.5	74
6	Real-Time Observation of Ultrafast Intraband Relaxation and Exciton Multiplication in PbS Quantum Dots. <i>ACS Photonics</i> , 2014, 1, 285-292.	6.6	54
7	Structurally Tunable Two-Dimensional Layered Perovskites: From Confinement and Enhanced Charge Transport to Prolonged Hot Carrier Cooling Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5705-5718.	4.6	53
8	Fluorescent detection of anions by dibenzophenazine-based sensors. <i>Tetrahedron Letters</i> , 2012, 53, 661-665.	1.4	38
9	Novel quinoxalinophenanthrophenazine-based molecules as sensors for anions: synthesis and binding investigations. <i>Tetrahedron</i> , 2010, 66, 2944-2952.	1.9	32
10	A Layer-by-Layer ZnO Nanoparticle-PbS Quantum Dot Self-Assembly Platform for Ultrafast Interfacial Electron Injection. <i>Small</i> , 2015, 11, 112-118.	10.0	31
11	Solvent-induced configuration mixing and triplet excited-state inversion: insights from transient absorption and transient dc photoconductivity measurements. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 8586.	2.8	19
12	Crystalline TQPP as p-type semiconductor: X-ray crystallographic investigation, OTFT device, and computational analysis of transport properties. <i>Journal of Molecular Structure</i> , 2015, 1093, 144-149.	3.6	19
13	Mixed-Valence Cations of Di(carbazol-9-yl) Biphenyl, Tetrahydropyrene, and Pyrene Derivatives. <i>Journal of Physical Chemistry C</i> , 2016, 120, 3156-3166.	3.1	19
14	Overcoming the Off-Charge Transfer Bandgaps at the PbS Quantum Dot Interface. <i>Advanced Functional Materials</i> , 2015, 25, 7435-7441.	14.9	18
15	Highly porous and photoluminescent pyrene-quinoxaline-derived benzimidazole-linked polymers. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3006-3010.	10.3	16
16	Diarylpyrenes vs. diaryltetrahydropyrenes: Crystal structures, fluorescence, and upconversion photochemistry. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 272, 49-57.	3.9	13
17	Lateral extension induces columnar mesomorphism in crucifix shaped quinoxalinophenanthrophenazines. <i>Tetrahedron</i> , 2015, 71, 308-314.	1.9	10
18	Synthesis and binding investigations of novel crown-ether derivatives of phenanthro[4,5- <i>abc</i> ]phenazine and quinoxalino[2,3- <i>a</i> :9,10]phenanthro[4,5- <i>abc</i> ]phenazine. <i>Supramolecular Chemistry</i> , 2014, 26, 15-24.	1.2	7

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19	Columnar Mesomorphism of Boat-Shaped Perylene, Diketopyrrolopyrrole, Isoindigo, Indigo, and Quinoxalino-Phenanthrophenazine Dyes. <i>ChemPlusChem</i> , 2021, 86, 319-339.	2.8	4