

Youssry Y Botros

List of Publications by Year in descending order

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46
papers

5,371
citations

109321

35
h-index

182427

51
g-index

54
all docs

54
docs citations

54
times ranked

6758
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent Organic Frameworks with High Charge Carrier Mobility. <i>Chemistry of Materials</i> , 2011, 23, 4094-4097.	6.7	659
2	Monofunctionalized Pillar[5]arene as a Host for Alkanediamines. <i>Journal of the American Chemical Society</i> , 2011, 133, 5668-5671.	13.7	468
3	Strong and Reversible Binding of Carbon Dioxide in a Green Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2011, 133, 15312-15315.	13.7	346
4	pH-Operated Nanopistons on the Surfaces of Mesoporous Silica Nanoparticles. <i>Journal of the American Chemical Society</i> , 2010, 132, 13016-13025.	13.7	296
5	High hopes: can molecular electronics realise its potential?. <i>Chemical Society Reviews</i> , 2012, 41, 4827.	38.1	277
6	Nanoporous Carbohydrate Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2012, 134, 406-417.	13.7	271
7	CD-MOF: A Versatile Separation Medium. <i>Journal of the American Chemical Society</i> , 2016, 138, 2292-2301.	13.7	269
8	A Radically Configurable Six-State Compound. <i>Science</i> , 2013, 339, 429-433.	12.6	158
9	Encapsulation of Ibuprofen in CD-MOF and Related Bioavailability Studies. <i>Molecular Pharmaceutics</i> , 2017, 14, 1831-1839.	4.6	158
10	Stimulated Release of Size-Selected Cargos in Succession from Mesoporous Silica Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5460-5465.	13.8	157
11	Selective isolation of gold facilitated by second-sphere coordination with β -cyclodextrin. <i>Nature Communications</i> , 2013, 4, 1855.	12.8	156
12	Photoexpulsion of Surface-Grafted Ruthenium Complexes and Subsequent Release of Cytotoxic Cargos to Cancer Cells from Mesoporous Silica Nanoparticles. <i>Journal of the American Chemical Society</i> , 2013, 135, 11603-11613.	13.7	128
13	A Light-Stimulated Molecular Switch Driven by Radical-Radical Interactions in Water. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6782-6788.	13.8	127
14	Pillar[5]arene as a Co-Factor in Templating Rotaxane Formation. <i>Journal of the American Chemical Society</i> , 2013, 135, 17019-17030.	13.7	117
15	Relative Unidirectional Translation in an Artificial Molecular Assembly Fueled by Light. <i>Journal of the American Chemical Society</i> , 2013, 135, 18609-18620.	13.7	112
16	Carbohydrate-Mediated Purification of Petrochemicals. <i>Journal of the American Chemical Society</i> , 2015, 137, 5706-5719.	13.7	112
17	Snap-Top Nanocarriers. <i>Organic Letters</i> , 2010, 12, 3304-3307.	4.6	108
18	Mechanised materials. <i>Chemical Science</i> , 2011, 2, 204-210.	7.4	106

#	ARTICLE	IF	CITATIONS
19	Ex2Box: Interdependent Modes of Binding in a Two-Nanometer-Long Synthetic Receptor. <i>Journal of the American Chemical Society</i> , 2013, 135, 12736-12746.	13.7	92
20	Mechanical Bond Formation by Radical Templation. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8260-8265.	13.8	90
21	Efficient syntheses of pillar[6]arene-based hetero[4]rotaxanes using a cooperative capture strategy. <i>Chemical Communications</i> , 2014, 50, 6196-6199.	4.1	85
22	Radically Enhanced Molecular Switches. <i>Journal of the American Chemical Society</i> , 2012, 134, 16275-16288.	13.7	84
23	Electrochemically addressable trisradical rotaxanes organized within a metal-organic framework. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11161-11168.	7.1	83
24	Enabling tetracationic cyclophane production by trading templates. <i>Chemical Science</i> , 2010, 1, 119.	7.4	75
25	Esterase- and pH-responsive poly(β -2-amino ester)-capped mesoporous silica nanoparticles for drug delivery. <i>Nanoscale</i> , 2015, 7, 7178-7183.	5.6	75
26	Folding of Oligoviologens Induced by Radical-Radical Interactions. <i>Journal of the American Chemical Society</i> , 2015, 137, 876-885.	13.7	65
27	Mechanostereochemistry. <i>Pure and Applied Chemistry</i> , 2010, 82, 1569-1574.	1.9	59
28	Semiconducting Single Crystals Comprising Segregated Arrays of Complexes of C_{60} . <i>Journal of the American Chemical Society</i> , 2015, 137, 2392-2399.	13.7	59
29	A redox-active reverse donor-acceptor bistable [2]rotaxane. <i>Chemical Science</i> , 2011, 2, 1046-1053.	7.4	58
30	Dual Stimulus Switching of a [2]Catenane in Water. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1805-1809.	13.8	53
31	Polyporous Metal-Coordination Frameworks. <i>Organic Letters</i> , 2012, 14, 1460-1463.	4.6	47
32	Oligorotaxane Radicals under Orders. <i>ACS Central Science</i> , 2016, 2, 89-98.	11.3	47
33	Epitaxial Growth of β -Cyclodextrin-Containing Metal-Organic Frameworks Based on a Host-Guest Strategy. <i>Journal of the American Chemical Society</i> , 2018, 140, 11402-11407.	13.7	44
34	Radically promoted formation of a molecular lasso. <i>Chemical Science</i> , 2017, 8, 2562-2568.	7.4	39
35	Oligomeric Pseudorotaxanes Adopting Infinite Chain Lattice Superstructures. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7231-7235.	13.8	34
36	β -Cyclodextrin Cuprate Sandwich-Type Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 2854-2861.	4.0	29

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37	Molecular Gauge Blocks for Building on the Nanoscale. <i>Chemistry - A European Journal</i> , 2012, 18, 15632-15649.	3.3	24
38	Symbiotic Control in Mechanical Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12387-12392.	13.8	21
39	Concurrent Covalent and Supramolecular Polymerization. <i>Chemistry - A European Journal</i> , 2016, 22, 12301-12306.	3.3	16
40	Solvent-dependent ground-state distributions in a donor-acceptor redox-active bistable [2]catenane. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 544-552.	1.9	15
41	Anticancer Activity Expressed by a Library of 2,9-Diazaperopyrenium Dications. <i>ACS Nano</i> , 2015, 9, 1461-1470.	14.6	11
42	Perfectly matched layer termination for finite-element meshes: Implementation and application. <i>Microwave and Optical Technology Letters</i> , 1999, 23, 166-172.	1.4	10
43	Rapid thermally assisted donor-acceptor catenation. <i>Chemical Communications</i> , 2012, 48, 9141.	4.1	8
44	Symbiotic Control in Mechanical Bond Formation. <i>Angewandte Chemie</i> , 2016, 128, 12575-12580.	2.0	7
45	Inside Cover: A Light-Stimulated Molecular Switch Driven by Radical-Radical Interactions in Water (Angew. Chem. Int. Ed. 30/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6674-6674.	13.8	3
46	Innentitelbild: A Light-Stimulated Molecular Switch Driven by Radical-Radical Interactions in Water (Angew. Chem. 30/2011). <i>Angewandte Chemie</i> , 2011, 123, 6804-6804.	2.0	0