Gokhan Barin

List of Publications by Year
in descending order

28 papers	2,489 citations	218677 26 h-index	395702 33 g-index
36 all docs	36 docs citations	36 times ranked	3579 citing authors

#	Article	IF	Citations
1	High hopes: can molecular electronics realise its potential?. Chemical Society Reviews, 2012, 41, 4827.	38.1	277
2	Optimization of distyryl-Bodipy chromophores for efficient panchromatic sensitization in dye sensitized solar cells. Chemical Science, 2011, 2, 949.	7.4	259
3	Highly stable tetrathiafulvalene radical dimers in [3]catenanes. Nature Chemistry, 2010, 2, 870-879.	13.6	171
4	Pillar[5]arene Based Conjugated Microporous Polymers for Propane/Methane Separation through Hostâ€“Guest Complexation. Chemistry of Materials, 2016, 28, 4460-4466.	6.7	147
5	A Lightâ€Stimulated Molecular Switch Driven by Radicalâ€“Radical Interactions in Water. Angewandte Chemie - International Edition, 2011, 50, 6782-6788.	13.8	127
6	Photoinduced Memory Effect in a Redox Controllable Bistable Mechanical Molecular Switch. Angewandte Chemie - International Edition, 2012, 51, 1611-1615.	13.8	119
7	Defect Creation by Linker Fragmentation in Metalâ€“Organic Frameworks and Its Effects on Gas Uptake Properties. Inorganic Chemistry, 2014, 53, 6914-6919.	4.0	118
8	Mechanically Stabilized Tetrathiafulvalene Radical Dimers. Journal of the American Chemical Society, 2011, 133, 4538-4547.	13.7	114
9	Carbohydrate-Mediated Purification of Petrochemicals. Journal of the American Chemical Society, 2015, 137, 5706-5719.	13.7	112
10	Metalâ€“Organic Frameworks Incorporating Copperâ€Complexed Rotaxanes. Angewandte Chemie - International Edition, 2012, 51, 2160-2163.	13.8	105
11	A Catenated Strut in a Catenated Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2010, 49, 6751-6755.	13.8	103
12	Mechanically Interlocked Molecules Assembled by Ï€â€“Ï€â€…Recognition. ChemPlusChem, 2012, 77, 159-185.	2.8	100
13	Highly effective ammonia removal in a series of BrÃ¸nsted acidic porous polymers: investigation of chemical and structural variations. Chemical Science, 2017, 8, 4399-4409.	7.4	89
14	Isoreticular Series of (3,24)-Connected Metalâ€“Organic Frameworks: Facile Synthesis and High Methane Uptake Properties. Chemistry of Materials, 2014, 26, 1912-1917.	6.7	76
15	A redox-active reverse donorâ€“acceptor bistable [2]rotaxane. Chemical Science, 2011, 2, 1046-1053.	7.4	58
16	A Multistate Switchable [3]Rotacatenane. Chemistry - A European Journal, 2011, 17, 213-222.	3.3	56
17	Redox Control of the Binding Modes of an Organic Receptor. Journal of the American Chemical Society, 2015, 137, 11057-11068.	13.7	55
18	Donorâ€“Acceptor Oligorotaxanes Made to Order. Chemistry - A European Journal, 2011, 17, 2107-2119.	3.3	53

#	Article	IF	Citations
19	Mechanostereochemistry and the mechanical bond. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2012, 468, 2849-2880.	2.1	51
20	Mechanical Bonds and Topological Effects in Radical Dimer Stabilization. Journal of the American Chemical Society, 2014, 136, 11011-11026.	13.7	47
21	A Microporous Amic Acid Polymer for Enhanced Ammonia Capture. ACS Applied Materials & Interfaces, 2017, 9, 33504-33510.	8.0	31
22	Measurement of the ground-state distributions in bistable mechanically interlocked molecules using slow scan rate cyclic voltammetry. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20416-20421.	7.1	30
23	Redox-Controlled Selective Docking in a [2]Catenane Host. Journal of the American Chemical Society, 2013, 135, 2466-2469.	13.7	27
24	Electronic and Optical Vibrational Spectroscopy of Molecular Transport Junctions Created by Onâ€Wire Lithography. Small, 2013, 9, 1900-1903.	10.0	10
25	Ammonia Storage in Hydrogen Bond-Rich Microporous Polymers. ACS Applied Materials & Interfaces, 2020, 12, 58161-58169.	8.0	9
26	Rapid thermally assisted donorâ€“acceptor catenation. Chemical Communications, 2012, 48, 9141.	4.1	8
27	Inside Cover: A Light-Stimulated Molecular Switch Driven by Radical-Radical Interactions in Water (Angew. Chem. Int. Ed. 30/2011). Angewandte Chemie - International Edition, 2011, 50, 6674-6674.	13.8	3
28	Innentitelbild: A Light-Stimulated Molecular Switch Driven by Radical-Radical Interactions in Water (Angew. Chem. 30/2011). Angewandte Chemie, 2011, 123, 6804-6804.	2.0	0