Galia Maayan

List of Publications by Year
in descending order

50 papers	1,769 citations	257450 24 h-index	276875 41 g-index
66 all docs	66 docs citations	66 times ranked	1885 citing authors

#	Article	IF	Citations
1	A unique Co(<scp>iii</scp>)-peptoid as a fast electrocatalyst for homogeneous water oxidation with low overpotential. Chemical Communications, 2021, 57, 939-942.	4.1	13
2	A Waterâ€Soluble Peptoid that Can Extract Cu²⁺ from Metallothionein via Selective Recognition. Chemistry - A European Journal, 2021, 27, 1383-1389.	3.3	16
3	From Distinct Metallopeptoids to Selfâ€Assembled Supramolecular Architectures. Chemistry - A European Journal, 2021, 27, 634-640.	3.3	11
4	The Role of the âˆ’OH Groups within Mn₁₂Clusters in Electrocatalytic Water Oxidation. Chemistry - A European Journal, 2021, 27, 6034-6043.	3.3	9
5	Sequence-function relationship within water-soluble Peptoid Chelators for Cu2+. Journal of Inorganic Biochemistry, 2021, 217, 111388.	3.5	8
6	Dual Control of Peptide Conformation with Light and Metal Coordination. Chemistry - A European Journal, 2021, 27, 8956-8959.	3.3	8
7	A Di-Copper-Peptoid in a Noninnocent Borate Buffer as a Fast Electrocatalyst for Homogeneous Water Oxidation with Low Overpotential. Journal of the American Chemical Society, 2021, 143, 10614-10623.	13.7	48
8	A Waterâ€Soluble Peptoid Chelator that Can Remove Cu²⁺ from Amyloidâ€Î² Peptides and Stop the Formation of Reactive Oxygen Species Associated with Alzheimer's Disease. Angewandte Chemie, 2021, 133, 24793-24802.	2.0	2
9	A Waterâ€Soluble Peptoid Chelator that Can Remove Cu²⁺ from Amyloidâ€Î² Peptides and Stop the Formation of Reactive Oxygen Species Associated with Alzheimer's Disease. Angewandte Chemie - International Edition, 2021, 60, 24588-24597.	13.8	25
10	Frontispiece: From Distinct Metallopeptoids to Selfâ€Assembled Supramolecular Architectures. Chemistry - A European Journal, 2021, 27, .	3.3	0
11	A rationally designed peptoid for the selective chelation of Zn²⁺ over Cu²⁺. Chemical Science, 2020, 11, 10127-10134.	7.4	20
12	Layer by layer assembly of a bio-inspired manganese cluster for electrocatalytic water oxidation. Journal of Catalysis, 2020, 389, 207-211.	6.2	2
13	Unique Î²â€Turn Peptoid Structures and Their Application as Asymmetric Catalysts. Chemistry - A European Journal, 2020, 26, 9573-9579.	3.3	21
14	A Resinâ€Bound Peptoid as a Recyclable Heterogeneous Catalyst for Oxidation Reactions. European Journal of Organic Chemistry, 2020, 2020, 3147-3152.	2.4	6
15	Peptoid-based siderophore mimics as dinuclear Fe³⁺ chelators. Dalton Transactions, 2020, 49, 6020-6029.	3.3	15
16	Folding of unstructured peptoids and formation of hetero-bimetallic peptoid complexes upon side-chain-to-metal coordination. Chemical Science, 2019, 10, 620-632.	7.4	25
17	Sequence and Structure of Peptoid Oligomers Can Tune the Photoluminescence of an Embedded Ruthenium Dye. Chemistry - A European Journal, 2019, 25, 9098-9107.	3.3	12
18	Efficient Homogeneous Electrocatalytic Water Oxidation by a Manganese Cluster with an Overpotential of Only 74â€…mV. Angewandte Chemie, 2019, 131, 2811-2816.	2.0	17

#	Article	IF	Citations
19	Efficient Homogeneous Electrocatalytic Water Oxidation by a Manganese Cluster with an Overpotential of Only 74â€…mV. Angewandte Chemie - International Edition, 2019, 58, 2785-2790.	13.8	52
20	Aggregation of Ag(0) nanoparticles to unexpected stable chain-like assemblies mediated by 2,2â€²-bipyridine decorated peptoids. Journal of Colloid and Interface Science, 2019, 533, 598-603.	9.4	9
21	Water soluble hydrophobic peptoids <i>via</i> a minor backbone modification. Organic and Biomolecular Chemistry, 2018, 16, 1480-1488.	2.8	17
22	A Pure Polyproline Typeâ€…Iâ€like Peptoid Helix by Metal Coordination. Chemistry - A European Journal, 2018, 24, 1159-1167.	3.3	27
23	A bioinspired soluble manganese cluster as a water oxidationÂelectrocatalyst with low overpotential. Nature Catalysis, 2018, 1, 48-54.	34.4	146
24	A Copper-Peptoid as a Highly Stable, Efficient, and Reusable Homogeneous Water Oxidation Electrocatalyst. ACS Catalysis, 2018, 8, 10631-10640.	11.2	49
25	Synthesis, characterization, and electrochemical properties of new water-soluble Mn₁₂O₁₂(O₂CR)₁₆(H₂O)₄ clusters. Journal of Coordination Chemistry, 2018, 71, 1971-1984.	2.2	5
26	Selfâ€Assembled Cyclic Structures from Copper(II) Peptoids. Angewandte Chemie, 2018, 130, 7829-7834.	2.0	9
27	Selfâ€Assembled Cyclic Structures from Copper(II) Peptoids. Angewandte Chemie - International Edition, 2018, 57, 7703-7708.	13.8	24
28	Chiral Cu(<scp>ii</scp>), Co(<scp>ii</scp>) and Ni(<scp>ii</scp>) complexes based on 2,2â€²-bipyridine modified peptoids. Dalton Transactions, 2018, 47, 10767-10774.	3.3	16
29	Heteroleptic complexes<i>via</i>solubility control: examples of Cu(<scp>ii</scp>), Co(<scp>ii</scp>), Ni(<scp>ii</scp>) and Mn(<scp>ii</scp>) complexes based on the derivatives of terpyridine and hydroxyquinoline. Dalton Transactions, 2017, 46, 15330-15339.	3.3	10
30	Designed Peptoids as Tunable Modifiers of Zeolite Crystallization. Chemistry of Materials, 2017, 29, 9536-9546.	6.7	34
31	A metallopeptoid as an efficient bioinspired cooperative catalyst for the aerobic oxidative synthesis of imines. Journal of Catalysis, 2017, 355, 139-144.	6.2	27
32	Nanoparticles assemblies on demand: Controlled aggregation of Ag(0) mediated by modified peptoid sequences. Journal of Colloid and Interface Science, 2017, 508, 56-64.	9.4	17
33	Versatile ruthenium complexes based on 2,2â€²-bipyridine modified peptoids. Chemical Communications, 2016, 52, 10350-10353.	4.1	39
34	A rationally designed metal-binding helical peptoid for selective recognition processes. Chemical Science, 2016, 7, 2809-2820.	7.4	62
35	Waterâ€soluble chiral metallopeptoids. Biopolymers, 2015, 104, 577-584.	2.4	35
36	Metallopeptoids as efficient biomimetic catalysts. Chemical Communications, 2015, 51, 11096-11099.	4.1	58

#	ARTICLE	IF	CITATIONS
37	Aggregation of inorganic nanoparticles mediated by biomimetic oligomers. Organic and Biomolecular Chemistry, 2015, 13, 8978-8992.	2.8	7
38	Click To Bind: Microwave-Assisted Solid-Phase Synthesis of Peptoids Incorporating Pyridineâ€“Triazole Ligands and Their Copper(II) Complexes. Synlett, 2015, 26, 461-466.	1.8	14
39	Stabilization of unique valencies of cobalt, nickel and copper by complexation with the tridentate ligand 2-(2â€²-pyridyl)-8-hydroxyquinoline. Polyhedron, 2013, 64, 365-370.	2.2	11
40	â€˜Oldâ€™ Clusters with New Function: Oxidation Catalysis by High Oxidation State Manganese and Cerium/Manganese Clusters Using O₂ Gas. Inorganic Chemistry, 2011, 50, 7015-7021.	4.0	65
41	Silver nanoparticles assemblies mediated by functionalized biomimetic oligomers. Biopolymers, 2011, 96, 679-687.	2.4	30
42	Folded biomimetic oligomers for enantioselective catalysis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13679-13684.	7.1	184
43	Conformational Control in Metallofoldamers: Design, Synthesis and Structural Properties. European Journal of Organic Chemistry, 2009, 2009, 5699-5710.	2.4	53
44	Metallopeptoids. Chemical Communications, 2009, , 56-58.	4.1	79
45	Direct Aerobic Oxidation of Secondary Alcohols Catalysed by Pt(0) Nanoparticles Stabilized by PV2Mo10O40 5â^' Polyoxmetalate. Catalysis Letters, 2008, 123, 41-45.	2.6	36
46	Heterocyclic amines for the construction of peptoid oligomers bearing multi-dentate ligands. Tetrahedron Letters, 2008, 49, 335-338.	1.4	28
47	Palladium Nanoparticles Stabilized by Alkylated Polyethyleneimine as Aqueous Biphasic Catalysts for the Chemoselective Stereocontrolled Hydrogenation of Alkenes. Organic Letters, 2006, 8, 5445-5448.	4.6	60
48	Micelle Directed Synthesis of Polyoxometalate Nanoparticles and Their Improved Catalytic Activity for the Aerobic Oxidation of Sulfides. Journal of the American Chemical Society, 2006, 128, 4968-4969.	13.7	85
49	Strategies for oxidation catalyzed by polyoxometalates at the interface of homogeneous and heterogeneous catalysis. Topics in Catalysis, 2005, 34, 93-99.	2.8	117
50	Polyfluorinated Quaternary Ammonium Salts of Polyoxometalate Anions:â€‰ Fluorous Biphasic Oxidation Catalysis with and without Fluorous Solvents. Organic Letters, 2003, 5, 3547-3550.	4.6	75