

Metin Karayilan

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

341
citations

933447

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h-index

1058476

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15
times ranked

315
citing authors

#	ARTICLE	IF	CITATIONS
1	Nucleophilic Activation of Elemental Sulfur for Inverse Vulcanization and Dynamic Covalent Polymerizations. <i>Journal of Polymer Science Part A</i> , 2019, 57, 7-12.	2.3	65
2	Catalytic Metallopolymers from [2Fe-2S] Clusters: Artificial Metalloenzymes for Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7537-7550.	13.8	56
3	[FeFe]-Hydrogenase Mimetic Metallopolymers with Enhanced Catalytic Activity for Hydrogen Production in Water. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11898-11902.	13.8	52
4	Catalytic Metallopolymers from [2Fe-2S] Clusters: Artificial Metalloenzymes for Hydrogen Production. <i>Angewandte Chemie</i> , 2019, 131, 7617-7630.	2.0	42
5	Macromolecular Engineering of the Outer Coordination Sphere of [2Fe-2S] Metallopolymers to Enhance Catalytic Activity for H ₂ Production. <i>ACS Macro Letters</i> , 2018, 7, 1383-1387.	4.8	26
6	Polymeric Materials for Eye Surface and Intraocular Applications. <i>Biomacromolecules</i> , 2021, 22, 223-261.	5.4	20
7	Increasing the rate of the hydrogen evolution reaction in neutral water with protic buffer electrolytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32947-32953.	7.1	16
8	Chalcogenide hybrid inorganic/organic polymer resins: Amine functional prepolymers from elemental sulfur. <i>Journal of Polymer Science</i> , 2020, 58, 35-41.	3.8	12
9	Reassessing Undergraduate Polymer Chemistry Laboratory Experiments for Virtual Learning Environments. <i>Journal of Chemical Education</i> , 2022, 99, 1877-1889.	2.3	11
10	[FeFe]-Hydrogenase Mimetic Metallopolymers with Enhanced Catalytic Activity for Hydrogen Production in Water. <i>Angewandte Chemie</i> , 2018, 130, 12074-12078.	2.0	10
11	Synthesis of Metallopolymers via Atom Transfer Radical Polymerization from a [2Fe-2S] Metalloinitiator: Molecular Weight Effects on Electrocatalytic Hydrogen Production. <i>Macromolecular Rapid Communications</i> , 2020, 41, e1900424.	3.9	10
12	Influence of the Processing Environment on the Surface Composition and Electronic Structure of Size-Quantized CdSe Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2020, 124, 21305-21318.	3.1	9
13	<i>Zooming in</i> on Polymer Chemistry and Designing Synthesis of High Sulfur-Content Polymers for Virtual Undergraduate Laboratory Experiment. <i>Journal of Chemical Education</i> , 2021, 98, 2062-2073.	2.3	8
14	Water-soluble and air-stable [2Fe-2S]-metallopolymers: A new class of electrocatalysts for H ₂ production via water splitting. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019, 194, 701-706.	1.6	4
15	Chalcogenide hybrid inorganic/organic polymer resins: Amine functional prepolymers from elemental sulfur. <i>Journal of Polymer Science</i> , 2020, 58, 35-41.	3.8	0