

Michael Volokh

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,518
citations

361413

20
h-index

315739

38
g-index

50
all docs

50
docs citations

50
times ranked

1943
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Photoelectrochemical Activity of $\text{I}^{\pm}\text{Fe}_{2}\text{O}_{3}\text{-CdFe}_{2}\text{O}_{4}$ Hybrid Structure for the Water Oxidation Reaction. Israel Journal of Chemistry, 2023, 63, .	2.3	0
2	Design of melem-based supramolecular assemblies for the synthesis of polymeric carbon nitrides with enhanced photocatalytic activity. Journal of Materials Chemistry A, 2021, 9, 17855-17864.	10.3	22
3	Carbon Nitride-Based Photoanode with Enhanced Photostability and Water Oxidation Kinetics. Advanced Functional Materials, 2021, 31, 2101724.	14.9	29
4	Light on peroxide. Nature Catalysis, 2021, 4, 350-351.	34.4	12
5	Chemoselective Insertion of a CdS Rod between Au/Metal-Oxide Heterodimers. Chemistry of Materials, 2021, 33, 4701-4708.	6.7	3
6	Unraveling the Mechanisms of Electrocatalytic Oxygenation and Dehydrogenation of Organic Molecules to Value-Added Chemicals Over a Ni ^{II} -Fe Oxide Catalyst. Advanced Energy Materials, 2021, 11, 2101858.	19.5	51
7	Formation of Copper Oxide Nanotextures on Porous Calcium Carbonate Templates for Water Treatment. Molecules, 2021, 26, 6067.	3.8	2
8	Dynamics of the nanocrystal structure and composition in growth solutions monitored by <i>in situ</i> lab-scale X-ray diffraction. Nanoscale, 2021, 13, 19076-19084.	5.6	3
9	Molten state synthesis of nickel phosphides: mechanism and composition-activity correlation for electrochemical applications. Journal of Materials Chemistry A, 2021, 9, 27629-27638.	10.3	9
10	Supramolecular organization of melem for the synthesis of photoactive porous carbon nitride rods. Nanoscale, 2021, 13, 19511-19517.	5.6	18
11	Selective Growth of Metal Sulfide, Metal, and Metal-Alloy on 2D CdS Nanoplates. Frontiers in Materials, 2020, 6, .	2.4	3
12	Direct growth of uniform carbon nitride layers with extended optical absorption towards efficient water-splitting photoanodes. Nature Communications, 2020, 11, 4701.	12.8	87
13	Highly Efficient Polymeric Carbon Nitride Photoanode with Excellent Electron Diffusion Length and Hole Extraction Properties. Nano Letters, 2020, 20, 4618-4624.	9.1	63
14	Polymeric carbon nitrides and related metal-free materials for energy and environmental applications. Journal of Materials Chemistry A, 2020, 8, 11075-11116.	10.3	142
15	Electrophoretic deposition of supramolecular complexes for the formation of carbon nitride films. Sustainable Energy and Fuels, 2020, 4, 3879-3883.	4.9	14
16	Controllable Synthesis of Carbon Nitride Films with Type-II Heterojunction for Efficient Photoelectrochemical Cells. Chemistry of Materials, 2020, 32, 5845-5853.	6.7	39
17	Metal/semiconductor interfaces in nanoscale objects: synthesis, emerging properties and applications of hybrid nanostructures. Nanoscale Advances, 2020, 2, 930-961.	4.6	42
18	Synthesis of metal-free lightweight materials with sequence-encoded properties. Journal of Materials Chemistry A, 2020, 8, 8752-8760.	10.3	7

#	ARTICLE	IF	CITATIONS
19	Kohlenstoffnitridmaterialien für photochemische Zellen zur Wasserspaltung. <i>Angewandte Chemie</i> , 2019, 131, 6198-6211.	2.0	19
20	Carbon Nitride Materials for Water Splitting Photoelectrochemical Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6138-6151.	13.8	205
21	Coordination-Directed Growth of Transition-Metal-Crystalline Carbon Composites with Controllable Metal Composition. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14964-14968.	13.8	12
22	Coordination-Directed Growth of Transition-Metal-Crystalline Carbon Composites with Controllable Metal Composition. <i>Angewandte Chemie</i> , 2019, 131, 15106-15110.	2.0	2
23	Freestanding Hierarchical Carbon Nitride/Carbon-Paper Electrode as a Photoelectrocatalyst for Water Splitting and Dye Degradation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29139-29146.	8.0	24
24	Solution-Processable Carbon Nitride Polymers for Photoelectrochemical Applications. <i>Small Methods</i> , 2019, 3, 1900401.	8.6	38
25	Calcareous Foraminiferal Shells as a Template for the Formation of Hierarchical Structures of Inorganic Nanomaterials. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6456-6462.	8.0	6
26	Nickel phosphide decorated with trace amount of platinum as an efficient electrocatalyst for the alkaline hydrogen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2006-2014.	4.9	23
27	Graphene oxide in carbon nitride: from easily processed precursors to a composite material with enhanced photoelectrochemical activity and long-term stability. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11718-11723.	10.3	30
28	Low-Cost Porous Ruthenium Layer Deposited on Nickel Foam as a Highly Active Universal-pH Electrocatalyst for the Hydrogen Evolution Reaction. <i>ChemSusChem</i> , 2019, 12, 2780-2787.	6.8	34
29	A Surface Study of Ultrathin Ceria Nanoparticles Decorated with Transition-Metal Ions. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800452.	2.3	3
30	Design of Hierarchical 3D Metal Oxide Structures for Water Oxidation and Purification. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800001.	5.3	6
31	Carbon and Nitrogen Based Nanosheets as Fluorescent Probes with Tunable Emission. <i>Small</i> , 2018, 14, e1800516.	10.0	20
32	Frontispiece: A General Synthesis of Porous Carbon Nitride Films with Tunable Surface Area and Photophysical Properties. <i>Angewandte Chemie - International Edition</i> , 2018, 57, .	13.8	0
33	Frontispiz: A General Synthesis of Porous Carbon Nitride Films with Tunable Surface Area and Photophysical Properties. <i>Angewandte Chemie</i> , 2018, 130, .	2.0	0
34	Electrophoretic deposition of single-source precursors as a general approach for the formation of hybrid nanorod array heterostructures. <i>Journal of Colloid and Interface Science</i> , 2018, 515, 221-231.	9.4	8
35	A General Synthesis of Porous Carbon Nitride Films with Tunable Surface Area and Photophysical Properties. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1186-1192.	13.8	161
36	A General Synthesis of Porous Carbon Nitride Films with Tunable Surface Area and Photophysical Properties. <i>Angewandte Chemie</i> , 2018, 130, 1200-1206.	2.0	26

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37	Carbon Nitride/Reduced Graphene Oxide Film with Enhanced Electron Diffusion Length: An Efficient Photoelectrochemical Cell for Hydrogen Generation. <i>Advanced Energy Materials</i> , 2018, 8, 1800566.	19.5	83
38	Layered Boron-Nitrogen-Carbon-Oxygen Materials with Tunable Composition as Lithium-Ion Battery Anodes. <i>ChemSusChem</i> , 2018, 11, 2912-2920.	6.8	19
39	Charge Transfer Dynamics in CdS and CdSe@CdS Based Hybrid Nanorods Tipped with Both PbS and Pt. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15453-15459.	3.1	13
40	Highly luminescent CuGa _x In _{1-x} S _y Se _{2-y} nanocrystals from organometallic single-source precursors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4657-4662.	5.5	7
41	Insight into the formation mechanism of PtCu alloy nanoparticles. <i>CrystEngComm</i> , 2014, 16, 9493-9500.	2.6	5
42	Coating and Enhanced Photocurrent of Vertically Aligned Zinc Oxide Nanowire Arrays with Metal Sulfide Materials. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13594-13599.	8.0	16
43	Studying the chemical, optical and catalytic properties of noble metal (Pt, Pd, Ag) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td Materials Chemistry A, 2013, 1, 1763-1769.	10.3	98
44	Conserved Motifs in the Msn2-Activating Domain are Important for Msn2-Mediated Yeast Stress Response. <i>Journal of Cell Science</i> , 2012, 125, 3333-42.	2.0	22
45	A Simple Approach for the Formation of Oxides, Sulfides, and Oxide-Sulfide Hybrid Nanostructures. <i>Israel Journal of Chemistry</i> , 2012, 52, 1081-1089.	2.3	10
46	Fine-tuning of the Msn2/4-mediated yeast stress responses as revealed by systematic deletion of Msn2/4 partners. <i>Molecular Biology of the Cell</i> , 2011, 22, 3127-3138.	2.1	75
47	Mediated Growth of Carbon Nitride Films via Spray-Coated Seeding Layers for Photoelectrochemical Applications. <i>Advanced Sustainable Systems</i> , 0, , 2100005.	5.3	6
48	Water-splitting Photoelectrochemical Cells Based on Carbon Nitride Materials: Progress through Improved Deposition Techniques. , 0, , .		0
49	Solution-Liquid-Solid Growth of One-Dimensional Metal-Oxide Nanostructures Assisted by Catalyst Design. <i>Chemistry of Materials</i> , 0, , .	6.7	1
50	Water-splitting Photoelectrochemical Cells Based on Carbon Nitride Materials: Progress through Improved Deposition Techniques. , 0, , .		0