Daniel Chevrier

List of Publications by Year
in descending order

41 papers	3,609 citations	236925 25 h-index	265206 42 g-index
48 all docs	48 docs citations	48 times ranked	5979 citing authors

#	Article	IF	Citations
1	Photochemical route for synthesizing atomically dispersed palladium catalysts. Science, 2016, 352, 797-800.	12.6	1,540
2	Identification of a Highly Luminescent Au₂₂(SG)₁₈ Nanocluster. Journal of the American Chemical Society, 2014, 136, 1246-1249.	13.7	490
3	Properties and applications of protein-stabilized fluorescent gold nanoclusters: short review. Journal of Nanophotonics, 2012, 6, 064504.	1.0	147
4	The Structure and Bonding of Au₂₅(SR)₁₈ Nanoclusters from EXAFS: The Interplay of Metallic and Molecular Behavior. Journal of Physical Chemistry C, 2011, 115, 15282-15287.	3.1	114
5	Electroâ€Oxidation of Ni42 Steel: A Highly Active Bifunctional Electrocatalyst. Advanced Functional Materials, 2016, 26, 6402-6417.	14.9	90
6	Molecular-Scale Ligand Effects in Small Goldâ€"Thiolate Nanoclusters. Journal of the American Chemical Society, 2018, 140, 15430-15436.	13.7	90
7	X20CoCrWMo10-9//Co₃O₄: a metalâ€"ceramic composite with unique efficiency values for water-splitting in the neutral regime. Energy and Environmental Science, 2016, 9, 2609-2622.	30.8	84
8	Novel nanoporous N-doped carbon-supported ultrasmall Pd nanoparticles: Efficient catalysts for hydrogen storage and release. Applied Catalysis B: Environmental, 2017, 203, 820-828.	20.2	80
9	Water as the Key to Protoâ€Aragonite Amorphous CaCO₃. Angewandte Chemie - International Edition, 2016, 55, 8117-8120.	13.8	78
10	Structure and formation of highly luminescent protein-stabilized gold clusters. Chemical Science, 2018, 9, 2782-2790.	7.4	76
11	A Segregated, Partially Oxidized, and Compact Ag₁₀ Cluster within an Encapsulating DNA Host. Journal of the American Chemical Society, 2016, 138, 3469-3477.	13.7	70
12	Disordered amorphous calcium carbonate from direct precipitation. CrystEngComm, 2015, 17, 4842-4849.	2.6	67
13	Following the Thermal Activation of Au₂₅(SR)₁₈ Clusters for Catalysis by X-ray Absorption Spectroscopy. Journal of Physical Chemistry C, 2013, 117, 20007-20016.	3.1	66
14	Energy Migration Upconversion in Manganese(II)â€Doped Nanoparticles. Angewandte Chemie - International Edition, 2015, 54, 13312-13317.	13.8	64
15	Protein-protected metal nanoclusters as diagnostic and therapeutic platforms for biomedical applications. Materials Today, 2023, 66, 159-193.	14.2	59
16	Distinct Shortâ€Range Order Is Inherent to Small Amorphous Calcium Carbonate Clusters (<2â€…nm). Angewandte Chemie - International Edition, 2016, 55, 12206-12209.	13.8	47
17	Unique Bonding Properties of the Au₃₆(SR)₂₄ Nanocluster with FCC-Like Core. Journal of Physical Chemistry Letters, 2013, 4, 3186-3191.	4.6	43
18	Description and Role of Bimetallic Prenucleation Species in the Formation of Small Nanoparticle Alloys. Journal of the American Chemical Society, 2015, 137, 15852-15858.	13.7	40

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19	Short-Range Structure of Amorphous Calcium Hydrogen Phosphate. Crystal Growth and Design, 2019, 19, 3030-3038.	3.0	35
20	Sensitivity of Structural and Electronic Properties of Goldâ€“Thiolate Nanoclusters to the Atomic Composition: A Comparative X-ray Study of Au₁₉(SR)₁₃ and Au₂₅(SR)₁₈. Journal of Physical Chemistry C, 2012, 116, 25137-25142.	3.1	34
21	Role of Au₄ Units on the Electronic and Bonding Properties of Au₂₈(SR)₂₀ Nanoclusters from X-ray Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 1217-1223.	3.1	32
22	Bonding properties of thiolate-protected gold nanoclusters and structural analogs from X-ray absorption spectroscopy. Nanotechnology Reviews, 2015, 4, 193-206.	5.8	30
23	An intrinsic dual-emitting gold thiolate coordination polymer, [Au(+I)(p-SPhCO₂H)]_n, for ratiometric temperature sensing. Journal of Materials Chemistry C, 2017, 5, 9843-9848.	5.5	30
24	Luminescent Au(I)â€“Thiolate Complexes through Aggregation-Induced Emission: The Effect of pH during and Post Synthesis. Journal of Physical Chemistry C, 2019, 123, 6010-6017.	3.1	30
25	A DNA-Encapsulated and Fluorescent Ag₁₀⁶⁺ Cluster with a Distinct Metal-Like Core. Journal of Physical Chemistry C, 2017, 121, 14936-14945.	3.1	27
26	Wettability of Magnetite Nanoparticles Guides Growth from Stabilized Amorphous Ferrihydrite. Journal of the American Chemical Society, 2021, 143, 10963-10969.	13.7	15
27	Impact of the Selenolate Ligand on the Bonding Behavior of Au₂₅ Nanoclusters. Journal of Physical Chemistry C, 2014, 118, 21730-21737.	3.1	14
28	Interactions between Ultrastable Na₄Ag₄₄(SR)₃₀ Nanoclusters and Coordinating Solvents: Uncovering the Atomic-Scale Mechanism. ACS Nano, 2020, 14, 8433-8441.	14.6	14
29	Goldâ€“Manganese Oxide Coreâ€“Shell Nanoparticles Produced by Pulsed Laser Ablation in Water. Journal of Physical Chemistry C, 2016, 120, 22635-22645.	3.1	13
30	Germanate with Three-Dimensional 12 Ã— 12 Ã— 11-Ring Channels Solved by X-ray Powder Diffraction with Charge-Flipping Algorithm. Inorganic Chemistry, 2013, 52, 10238-10244.	4.0	9
31	Catalytic and photoresponsive BiZ/Cu_{<i>x</i>}S heterojunctions with surface vacancies for the treatment of multidrug-resistant clinical biofilm-associated infections. Nanoscale, 2021, 13, 18632-18646.	5.6	9
32	Synchrotronâ€Based Nanoâ€Xâ€Ray Absorption Nearâ€Edge Structure Revealing Intracellular Heterogeneity of Iron Species in Magnetotactic Bacteria. Small Science, 2022, 2, .	9.9	9
33	A Comparative XAFS Study of Gold-thiolate Nanoparticles and Nanoclusters. Journal of Physics: Conference Series, 2013, 430, 012029.	0.4	8
34	Wasser als SchlÃ¼ssel zu amorphem Protoâ€Aragonitâ€CaCO₃. Angewandte Chemie, 2016, 128, 8249-8252.	2.0	8
35	Bonding properties of FCC-like Au₄₄(SR)₂₈ clusters from X-ray absorption spectroscopy. Canadian Journal of Chemistry, 2017, 95, 1220-1224.	1.1	7
36	Theoretical studies on anionic clusters of sulfate anions and carbon dioxide, SO 4 â˜1/â˜2 (CO2) n , nÂ=Â1â˜4. Theoretical Chemistry Accounts, 2012, 131, 1.	1.4	4

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37	Theoretical studies on clusters of carbonate with carbon dioxide, CO31â€“/2â€“(CO2)n, for n = 1â€“5Â â€” Comparison of carbonate clusters with sulfate clusters. Canadian Journal of Chemistry, 2012, 90, 483-492.	1.1	2
38	AusgeprÃgte Nahordnung in kleinen amorphen Calciumcarbonatâ€Clustern (<2â€...nm). Angewandte Chemie, 2016, 128, 12393-12397.	2.0	2
39	Structure and Bonding Properties of a 20-Gold-Atom Nanocluster Studied by Theoretical X-ray Absorption Spectroscopy. Materials Research Society Symposia Proceedings, 2015, 1802, 33-39.	0.1	1
40	Multishell EXAFS Fitting Analysis of a Compositionally Precise Thiolate-Gold Nanocluster. Materials Research Society Symposia Proceedings, 2014, 1655, 1.	0.1	0
41	Doxorubicinâ€loaded polyphosphate glass microspheres for transarterial chemoembolization. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 2621-2632.	3.4	0