# Emilie B Guidez

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8119860/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 23 papers | 1,385 citations | 623734 14 h-index | 642732 23 g-index |
| 23 all docs | 23 docs citations | 23 times ranked | 1720 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Computation of hostâ€“guest binding free energies with a new quantum mechanics based mining minima algorithm. Journal of Chemical Physics, 2021, 154, 104122. | 3.0 | 6 |
| 2 | Adaptive-Partitioning Multilayer Dynamics Simulations: 1. On-the-Fly Switch between Two Quantum Levels of Theory. Journal of Chemical Theory and Computation, 2021, 17, 5456-5465. | 5.3 | 7 |
| 3 | Traversing the Tightrope between Halogen and Chalcogen Bonds Using Structural Chemistry and Theory. Crystal Growth and Design, 2021, 21, 7168-7178. | 3.0 | 12 |
| 4 | Why is Si<sub>2</sub>H<sub>2</sub> Not Linear? An Intrinsic Quasi-Atomic Bonding Analysis. Journal of the American Chemical Society, 2020, 142, 13729-13742. | 13.7 | 19 |
| 5 | Accuracy of the PM6 and PM7 Methods on Bare and Thiolate-Protected Gold Nanoclusters. Journal of Physical Chemistry A, 2020, 124, 2601-2615. | 2.5 | 8 |
| 6 | Quantum Mechanical Modeling of the Interactions between Noble Metal (Ag and Au) Nanoclusters and Water with the Effective Fragment Potential Method. ACS Omega, 2020, 5, 7446-7455. | 3.5 | 7 |
| 7 | Recent developments in the general atomic and molecular electronic structure system. Journal of Chemical Physics, 2020, 152, 154102. | 3.0 | 734 |
| 8 | Benchmarking the Effective Fragment Potential Dispersion Correction on the S22 Test Set. Journal of Physical Chemistry A, 2018, 122, 4076-4084. | 2.5 | 3 |
| 9 | Perspective: Ab initio force field methods derived from quantum mechanics. Journal of Chemical Physics, 2018, 148, . | 3.0 | 52 |
| 10 | Benchmarking of the R<sup>â€“7</sup> Anisotropic Dispersion Energy Term on the S22 Dimer Test Set. Journal of Physical Chemistry A, 2018, 122, 6100-6108. | 2.5 | 2 |
| 11 | Theoretical Investigation of Relaxation Dynamics in Au<sub>38</sub>(SH)<sub>24</sub> Thiolate-Protected Gold Nanoclusters. Journal of Physical Chemistry C, 2018, 122, 16380-16388. | 3.1 | 27 |
| 12 | Dispersion Interactions in Water Clusters. Journal of Physical Chemistry A, 2017, 121, 3736-3745. | 2.5 | 10 |
| 13 | Photoluminescence Origin of Au38(SR)24 and Au22(SR)18 Nanoparticles: A Theoretical Perspective. Journal of Physical Chemistry C, 2017, 121, 15416-15423. | 3.1 | 53 |
| 14 | Derivation and Implementation of the Gradient of the R<sup>â€“7</sup> Dispersion Interaction in the Effective Fragment Potential Method. Journal of Physical Chemistry A, 2016, 120, 639-647. | 2.5 | 18 |
| 15 | Time-Dependent Density Functional Theory Study of the Luminescence Properties of Gold Phosphine Thiolate Complexes. Journal of Physical Chemistry A, 2015, 119, 3337-3347. | 2.5 | 14 |
| 16 | Dispersion Correction Derived from First Principles for Density Functional Theory and Hartreeâ€“Fock Theory. Journal of Physical Chemistry A, 2015, 119, 2161-2168. | 2.5 | 17 |
| 17 | Synthesis and Characterization of Gallium-Doped CdSe Quantum Dots. Journal of Physical Chemistry C, 2015, 119, 10749-10757. | 3.1 | 17 |
| 18 | Quantum coherent plasmon in silver nanowires: A real-time TDDFT study. Journal of Chemical Physics, 2014, 140, 244705. | 3.0 | 57 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Quantum mechanical origin of the plasmon: from molecular systems to nanoparticles. Nanoscale, 2014, 6, 11512-11527. | 5.6 | 97 |
| 20 | Plasmon resonance analysis with configuration interaction. Physical Chemistry Chemical Physics, 2014, 16, 15501. | 2.8 | 24 |
| 21 | Development of a charge-perturbed particle-in-a-sphere model for nanoparticle electronic structure. Physical Chemistry Chemical Physics, 2012, 14, 4287. | 2.8 | 12 |
| 22 | Effects of Silver Doping on the Geometric and Electronic Structure and Optical Absorption Spectra of the Au<sub>25â€“n</sub>Ag<sub>n</sub>(SH)<sub>18</sub><sup>â€“</sup> (n = 1,) TJETQq0 0 1 0 rgBT /Ov | 3 | 10 |
| 23 | Theoretical analysis of the optical excitation spectra of silver and gold nanowires. Nanoscale, 2012, 4, 4190. | 5.6 | 81 |