Paul D Lane

List of Publications by Year
in descending order

24 papers	198 citations	1163117 8 h-index	1125743 13 g-index
24 all docs	24 docs citations	24 times ranked	277 citing authors

#	Article	IF	Citations
1	Competition between Halogen, Hydrogen and Dihydrogen Bonding in Brominated Carboranes. ChemPhysChem, 2016, 17, 3373-3376.	2.1	40
2	Icosahedral Carbaboranes with Peripheral Hydrogenâ€“Chalcogenide Groups: Structures from Gas Electron Diffraction and Chemical Shielding in Solution. Chemistry - A European Journal, 2019, 25, 2313-2321.	3.3	16
3	Validating molecular dynamics with direct imaging of radiation damage debris. Physical Review B, 2012, 85, .	3.2	15
4	The gaseous structure of closo-9,12-(SH)2-1,2-C2B10H10, a modifier of gold surfaces, as determined using electron diffraction and computational methods. Dalton Transactions, 2013, 42, 12015.	3.3	13
5	Influence of Antipodally Coupled Iodine and Carbon Atoms on the Cage Structure of 9,12-I₂-closo-1,2-C₂B₁₀H₁₀: An Electron Diffraction and Computational Study. Inorganic Chemistry, 2015, 54, 11868-11874.	4.0	13
6	A theoretical investigation of internal conversion in 1,2-dithiane using non-adiabatic multiconfigurational molecular dynamics. Physical Chemistry Chemical Physics, 2016, 18, 27170-27174.	2.8	12
7	Structures of, and Related Consequences of Deprotonation on, Two C_s-Symmetric Arachno Nine-Vertex Heteroboranes, 4,6-X₂B₇H₉ (X = CH₂; S) Studied by Gas Electron Diffraction/Quantum Chemical Calculations and GIAO/NMR. Inorganic Chemistry, 2013, 52, 4502-4508.	4.0	11
8	A compact electron gun for time-resolved electron diffraction. Review of Scientific Instruments, 2015, 86, 013109.	1.3	9
9	Unusual Cage Rearrangements in 10-Vertex nido-5,6-Dicarbaborane Derivatives: An Interplay between Theory and Experiment. Inorganic Chemistry, 2017, 56, 852-860.	4.0	8
10	Surface Structure of Alkyl/Fluoroalkylimidazolium Ionicâ€“Liquid Mixtures. Journal of Physical Chemistry B, 2022, 126, 1962-1979.	2.6	8
11	Charge models for electron spectroscopy of disordered alloys. Physical Review B, 2009, 79, .	3.2	7
12	Effect of thermally induced surface defects on the optical anisotropy of Ag(110). Physical Review B, 2009, 79, .	3.2	6
13	Effect of surface defects and adsorbates on the optical anisotropy of Cu(110). Physical Review B, 2010, 82, .	3.2	5
14	Estimating the range of influence of point defects on Cu (110) surface states. Physical Review B, 2011, 83, .	3.2	5
15	Gas-phase structures of sterically crowded disilanes studied by electron diffraction and quantum chemical methods: 1,1,2,2-tetrakis(trimethylsilyl)disilane and 1,1,2,2-tetrakis(trimethylsilyl)dimethyldisilane. Dalton Transactions, 2014, 43, 10175-10182.	3.3	5
16	Inelastic Scattering of CN Radicals at the Gasâ€“Liquid Interface Probed by Frequency-Modulated Absorption Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 16439-16448.	3.1	5
17	Experimental observation of nanophase segregation in aqueous salt solutions around the predicted liquidâ€“liquid transition in water. Physical Chemistry Chemical Physics, 2020, 22, 9438-9447.	2.8	5
18	Azimuth dependent reflection anisotropy of oriented thin films. Applied Physics Letters, 2009, 95, 141907.	3.3	4

#	Article	IF	Citations
19	Gas-phase structures of dithietane derivatives, including an electron diffraction study of 1,3-dithietane 1,1,3,3-tetraoxide. Structural Chemistry, 2013, 24, 827-835.	2.0	3
20	Optical signatures of thiolate/Cu(110) and S/Cu(110) surface structures. Physical Review B, 2010, 82, .	3.2	2
21	Effects of steps and ordered defects on Cu(110) surface states. Physical Review B, 2013, 87, .	3.2	2
22	Simulations of the temporal and spatial resolution for a compact time-resolved electron diffractometer. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 034003.	1.5	2
23	Molecular orientation studied by reflection anisotropy spectroscopy. Physica Status Solidi (B): Basic Research, 2010, 247, 1969-1973.	1.5	1
24	Simulating the temperature dependence of surface state contributions to reflection anisotropy spectral features. Physica Status Solidi (B): Basic Research, 2010, 247, 1965-1968.	1.5	1