Giuseppe Lanza

List of Publications by Year
in descending order

55 papers	1,564 citations	279798 23 h-index	302126 39 g-index
57 all docs	57 docs citations	57 times ranked	1441 citing authors

#	Article	IF	Citations
1	On the size, shape and energetics of the hydration shell around alkanes. Physical Chemistry Chemical Physics, 2021, 23, 24852-24865.	2.8	3
2	The water molecule arrangement over the side chain of some aliphatic amino acids: A quantum chemical and bottomâ€up investigation. International Journal of Quantum Chemistry, 2020, 120, e26161.	2.0	6
3	Oxazole-Based Compounds As Anticancer Agents. Current Medicinal Chemistry, 2020, 26, 7337-7371.	2.4	30
4	1,2,4-Oxadiazole-5-ones as analogues of tamoxifen: synthesis and biological evaluation. Organic and Biomolecular Chemistry, 2019, 17, 4892-4905.	2.8	16
5	Quantum Mechanics Study on Hydrophilic and Hydrophobic Interactions in the Trivalineâ€“Water System. Journal of Physical Chemistry B, 2018, 122, 4289-4298.	2.6	5
6	Quantum Mechanics Approach to Hydration Energies and Structures of Alanine and Dialanine. ChemPhysChem, 2017, 18, 1586-1596.	2.1	6
7	Removal of heavy metal ions from wastewaters using dendrimer-functionalized multi-walled carbon nanotubes. Environmental Science and Pollution Research, 2017, 24, 14735-14747.	5.3	45
8	Synthesis of spiro[isoindole-1,5â€™-isoxazolidin]-3(2H)-ones as potential inhibitors of the MDM2-p53 interaction. Beilstein Journal of Organic Chemistry, 2016, 12, 2793-2807.	2.2	23
9	Peptide Hydration Phenomena through a Combined Quantum Chemical and Bottom-Up Approach. Zeitschrift Fur Physikalische Chemie, 2016, 230, 1373-1393.	2.8	3
10	Effects of Hydration on the Zwitterion Trialanine Conformation by Electronic Structure Theory. Journal of Physical Chemistry B, 2016, 120, 11705-11719.	2.6	11
11	Interfacial water at the trialanine hydrophilic surface: a DFT electronic structure and bottom-up investigation. Physical Chemistry Chemical Physics, 2015, 17, 17101-17111.	2.8	21
12	5-(3-Phosphonated 1H-1,2,3-triazol-4-yl)isoxazolidines: synthesis, DFT studies and biological properties. Arkivoc, 2015, 2015, 253-269.	0.5	4
13	Ab Initio MP2 and Density Functional Theory Computational Study of AcAlaNH₂ Peptide Hydration: A Bottomâ€Up Approach. ChemPhysChem, 2014, 15, 2785-2793.	2.1	18
14	Synthesis and biological activity of new arenediyne-linked isoxazolidines. Bioorganic and Medicinal Chemistry, 2014, 22, 3379-3385.	3.0	22
15	The High Selectivity of the Cp2ZrHCl Reducing Agent for Imides: A Combined Experimental and Theoretical Study on Î³-Lactam and Isoxazolidinone Derivatives. European Journal of Organic Chemistry, 2013, 2013, 95-104.	2.4	9
16	Combined effects of solvation and aggregation propensity on the final supramolecular structures adopted by hydrophobic, glycineâ€rich, elastinâ€like polypeptides. Biopolymers, 2013, 99, 292-313.	2.4	16
17	Comprehensive and Accurate Ab Initio Energy Surface of Simple Alanine Peptides. ChemPhysChem, 2013, 14, 3284-3293.	2.1	9
18	Palladium(II)/Copper Halide/Solvent Combination for Selective Intramolecular Domino Reactions of Indolecarboxylic Acid Allylamides: An Unprecedented Arylation/Esterification Sequence. Advanced Synthesis and Catalysis, 2012, 354, 159-170.	4.3	59

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19	On the Stability of Polyalanine Secondary Structures: The Role of the Polyproline II Helix. ChemPhysChem, 2011, 12, 2724-2727.	2.1	6
20	Formation of 3-Aminofuran-2-(5H)-ones and 3-Amino-1H-pyrrole-2,5-diones by Rearrangement of Isoxazolidines. Synlett, 2011, 2011, 245-248.	1.8	2
21	Competitive Formation of Î²â€Enaminones and 3â€Aminoâ€2(5H)â€furanones from the Isoxazolidine System: A Combined Synthetic and Quantum Chemical Study. European Journal of Organic Chemistry, 2010, 2010, 5897-5905.	2.4	15
22	A theoretical study on the LaF₃ molecule embedded in argon matrix. International Journal of Quantum Chemistry, 2010, 110, 376-386.	2.0	3
23	How an Inertâ€Gas Matrix Can Modify the Molecular Properties of Lanthanide Trifluoride. ChemPhysChem, 2009, 10, 507-511.	2.1	6
24	Ultra-short pulse laser ablation of Al70Cu20Fe10 alloy: Nanoparticles generation and thin films deposition. Thin Solid Films, 2009, 517, 1880-1886.	1.8	27
25	On the effect of 4f electrons on the structural characteristics of lanthanide trihalides: Computational and electron diffraction study of dysprosium trichloride. Journal of Chemical Physics, 2008, 128, 074301.	3.0	24
26	Molecular properties of a representative glycine-rich sequence of elastin â€“ BocVGGVGOEt: A combined FTIR experimental and quantum chemical investigation. Computational and Theoretical Chemistry, 2007, 812, 25-37.	1.5	5
27	Quasilinear Molecule par Excellence, SrCl2: Structure from High-Temperature Gas-Phase Electron Diffraction and Quantum-Chemical Calculationsâ€"Computed Structures of SrCl2â‹…Argon Complexes. Chemistry - A European Journal, 2006, 12, 8345-8357.	3.3	27
28	Conformational Study and Hydrogen Bonds Detection on Elastin-Related Polypeptides Using X-ray Photoelectron Spectroscopy. Biomacromolecules, 2005, 6, 1299-1309.	5.4	63
29	Anharmonic, Temperature, and Matrix Effects on the Molecular Structure and Vibrational Frequencies of Lanthanide Trihalides LnX3(Ln = La, Lu; X = F, Cl). Journal of Physical Chemistry A, 2005, 109, 2127-2138.	2.5	13
30	Theoretical Study of Anharmonic and Matrix Effects on the Molecular Structure and Vibrational Frequencies of GdF3 and GdCl3. ChemPhysChem, 2004, 5, 120-123.	2.1	14
31	Ab initio Study on Spectroscopic Properties of GdF3 and GdCl3. ChemInform, 2004, 35, no.	0.0	0
32	Energetics and Mechanism of Organolanthanide-Mediated Aminoalkene Hydroamination/Cyclization. A Density Functional Theory Analysis. Organometallics, 2004, 23, 4097-4104.	2.3	109
33	Ab Initio Study on Spectroscopic Properties of GdF3and GdCl3. Journal of Physical Chemistry A, 2004, 108, 4949-4960.	2.5	8
34	Energetic, Structural, and Dynamic Aspects of Ethylene Polymerization Mediated by Homogeneous Single-Site â€œConstrained Geometry Catalystsâ€•in the Presence of Cocatalyst and Solvation:â€‰ An Investigation at the ab Initio Quantum Chemical Level. Organometallics, 2002, 21, 5594-5612.	2.3	109
35	Metal and Ancillary Ligand Structural Effects on Ethylene Insertion Processes at Cationic Group 4 Centers. A Systematic, Comparative Quantum Chemical Investigation at Various ab Initio Levels. Organometallics, 2001, 20, 4006-4017.	2.3	55
36	Ligand Substituent, Anion, and Solvation Effects on Ion Pair Structure, Thermodynamic Stability, and Structural Mobility in â€œConstrained Geometryâ€•Olefin Polymerization Catalysts:Â an Ab Initio Quantum Chemical Investigation. Journal of the American Chemical Society, 2000, 122, 12764-12777.	13.7	140

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37	Theoretical modeling of â€œconstrained geometry catalystsâ€•beyond the naked cation approach. Topics in Catalysis, 1999, 7, 45-60.	2.8	25
38	Absolute Metalâ^'Ligand Ïƒ Bond Enthalpies in Group 4 Metallocenes. A Thermochemical, Structural, Photoelectron Spectroscopic, and ab Initio Quantum Chemical Investigation. Journal of the American Chemical Society, 1999, 121, 355-366.	13.7	47
39	Theoretical Study of the Molecular Properties of Cerium Trihalides and Tetrahalides CeXn (n = 3, 4; X =) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	24
40	Energetics of Metalâ^'Ligand Multiple Bonds. A Combined Solution Thermochemical and ab Initio Quantum Chemical Study of MO Bonding in Group 6 Metallocene Oxo Complexes. Journal of the American Chemical Society, 1998, 120, 3111-3122.	13.7	38
41	Highly Electrophilic Olefin Polymerization Catalysts. Counteranion and Solvent Effects on Constrained Geometry Catalyst Ion Pair Structure and Reactivity. Journal of the American Chemical Society, 1998, 120, 8257-8258.	13.7	112
42	Growth of epitaxial TlBaCaCuO a-axis oriented films on LaAlO3 buffer layers grown on SrTiO3 (100) substrates. Journal of Alloys and Compounds, 1997, 251, 314-317.	5.5	19
43	Effect of Baî—‚Caî—‚Cu precursor matrix on the formation and properties of superconducting Tl2Ba2Canâ^'1CunOx films A combined metalorganic chemical vapour deposition and thallium vapour diffusion approach. Journal of Alloys and Compounds, 1997, 251, 332-336.	5.5	19
44	Charge Distribution and Second-Order Nonlinear Optical Response of Charged Centrosymmetric Chromophore Aggregates. An ab Initio Electronic Structure Study ofp-Nitroaniline Dimers. Journal of the American Chemical Society, 1997, 119, 3003-3006.	13.7	48
45	Electronic Structure, Molecular Geometry, and Bonding Energetics in Zerovalent Yttrium and Gadolinium Bis(arene) Sandwich Complexes. A Theoretical ab Initio Study. Organometallics, 1996, 15, 3985-3989.	2.3	24
46	Electronic Structure of Bis(2,4-pentanedionato-O,Oâ€˜)oxovanadium(IV). A Photoelectron Spectroscopy, Electronic Spectroscopy, and ab Initio Molecular Orbital Study. Inorganic Chemistry, 1996, 35, 3885-3890.	4.0	31
47	Electronic Structure and Photoelectron Spectroscopy of the Monomeric Uranium(III) Alkyl [Î·5-(CH3)5C5]2UCH[Si(CH3)3]2â€‚â€¡. Organometallics, 1996, 15, 205-208.	2.3	22
48	Metalâ^'Ligand Bonding and Bonding Energetics in Zerovalent Lanthanide, Group 3, Group 4, and Group 6 Bis(arene) Sandwich Complexes. A Combined Solution Thermochemical and ab Initio Quantum Chemical Investigation. Journal of the American Chemical Society, 1996, 118, 627-635.	13.7	80
49	A relativistic effective core potential ab initio study of molecular geometries and vibrational frequencies of lanthanide trihalides LnX3 (Ln = Gd, Lu; X = F, Cl). Chemical Physics Letters, 1996, 255, 341-346.	2.6	40
50	Ab initio MO study of the molecular structure, vibrational frequencies and bond dissociation energy of bis(2,4-pentanedionato-O,Oâ€²)oxovanadium(IV). Journal of the Chemical Society, Faraday Transactions, 1995, 91, 2709-2714.	1.7	5
51	Photoelectron Spectroscopy of f-Element Organometallic Complexes. 12. A Comparative Investigation of the Electronic Structure of Lanthanide Bis(polymethylcyclopentadienyl)hydrocarbyl Complexes by Relativistic ab Initio and DV-X.alpha. Calculations and Gas-Phase UV Photoelectron Spectroscopy. Organometallics, 1994, 13, 3810-3815.	2.3	21
52	Equilibrium geometries and harmonic vibrational frequencies of lanthanum trihalides LaX3 (X î—» F, Cl). A relativistic effective core potential ab initio MO study. Chemical Physics Letters, 1993, 214, 598-602.	2.6	36
53	Geometries and energies of small Gen(n= 2â€“6) clusters: an ab initio molecular orbital study. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 2961-2967.	1.7	22
54	Photoelectron spectroscopy of f-element organometallic complexes. 10. Investigation of the electronic structure and geometry of bis(.eta.5-pentamethylcyclopentadienyl)phosphathoracyclobutane by relativistic ab initio, multipolar DV-X.alpha. calculations and gas-phase UV photoelectron spectroscopy. Organometallics, 1993, 12, 3326-3332.	2.3	5

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55	Photoelectron spectroscopy of f element organometallic complexes. 11. An investigation of the electronic structure of some tris(.eta.5-cyclopentadienyl)thorium(IV) and -uranium(IV) complexes by relativistic effect core potential ab initio calculations and gas-phase UV photoelectron spectroscopy. The Journal of Physical Chemistry, 1993, 97, 11673-11676.	2.9	14