Jorge Echeverra

List of Publications by Citations

42 papers	3,400 citations	17 h-index	45 g-index
45 ext. papers	3,829 ext. citations	5.8 avg, IF	5.4 L-index

#	Paper	IF	Citations
42	Covalent radii revisited. *Dalton Transactions*, **2008**, 2832-8	4.3	2540
41	Dihydrogen contacts in alkanes are subtle but not faint. *Nature Chemistry*, **2011**, 3, 323-30	17.6	199
40	Understanding the Nature of the CH···HC Interactions in Alkanes. *Journal of Chemical Theory and Computation*, **2013**, 9, 1977-91	6.4	90
39	The trigonal prism in coordination chemistry. *Chemistry - A European Journal*, **2010**, 16, 10380-96	4.8	52
38	Current-Driven Supramolecular Motor with In Situ Surface Chiral Directionality Switching. *Nano Letters*, **2015**, 15, 4793-8	11.5	49
37	The n -π interaction in metal complexes. *Chemical Communications*, **2018**, 54, 3061-3064	5.8	42
36	Molecules and crystals with both icosahedral and cubic symmetry. *Chemical Communications*, **2008**, 2717-25	5.8	39
35	Intermolecular Carbonyl···Carbonyl Interactions in Transition-Metal Complexes. *Inorganic Chemistry*, **2018**, 57, 5429-5437	5.1	26
34	Mercurophilic interactions: a theoretical study on the importance of ligands. *Physical Chemistry Chemical Physics*, **2017**, 19, 11645-11654	3.6	25
33	Supramolecular Rotor and Translator at Work: On-Surface Movement of Single Atoms. *ACS Nano*, **2015**, 9, 8394-400	16.7	25
32	Jahn-Teller distortions of six-coordinate CuII compounds: cis or trans?. *Chemical Communications*, **2009**, 4242-4	5.8	25
31	Intermolecular interactions in group 14 hydrides: Beyond C?H···H?C contacts. *International Journal of Quantum Chemistry*, **2017**, 117, e25432	2.1	23
30	Dihydrogen intermolecular contacts in group 13 compounds: HH or EH (E = B, Al, Ga) interactions?. *Dalton Transactions*, **2017**, 46, 2844-2854	4.3	21
29	One-way rotation of a molecule-rotor driven by a shot noise. *Nanoscale*, **2014**, 6, 2793-9	7.7	21
28	Application of symmetry operation measures in structural inorganic chemistry. *Inorganic Chemistry*, **2008**, 47, 10965-70	5.1	20
27	Abundance and Strength of M–H···H–C (M = Al, Ga, In) Dihydrogen Bonds. *Crystal Growth and Design* , **2017**, 17, 2097-2103	3.5	18
26	Taming a monomeric [Cu(η-CH)] complex with silylene. *Chemical Science*, **2018**, 9, 4333-4337	9.4	17

25	Alkyl groups as electron density donors in □hole bonding. *CrystEngComm*, **2017**, 19, 6289-6296	3.3	15
24	Concurrent symmetries: the interplay between local and global molecular symmetries. *Chemistry - A European Journal*, **2011**, 17, 359-67	4.8	14
23	Noncovalent Interactions in Succinic and Maleic Anhydride Derivatives. *Crystal Growth and Design*, **2018**, 18, 506-512	3.5	13
22	Seeding molecular rotators on a passivated silicon surface. *ChemPhysChem*, **2014**, 15, 271-5	3.2	11
21	Attractive PHHP interactions revealed by state-of-the-art ab initio calculations. *Physical Chemistry Chemical Physics*, **2017**, 19, 28044-28055	3.6	10
20	Frustrated Lewis Trios and Long-Range Hole Interactions: A Combined Structural and Theoretical Study of LB-AX ???LB and LB???AX ???LB (A=B, Al, Ga, In) Systems. *ChemPhysChem*, **2017**, 18, 2864-2872	3.2	10
19	A Multifunctional Dysprosium-Carboxylato 2D Metall-Organic Framework. *Angewandte Chemie - International Edition*, **2021**, 60, 12001-12006	16.4	10
18	Experimental and theoretical study of Pb?S and Pb?O □hole interactions in the crystal structures of Pb(II) complexes. *CrystEngComm*, **2019**, 21, 6018-6025	3.3	9
17	The silane-methane dimer revisited: more than a dispersion-bound system?. *Physical Chemistry Chemical Physics*, **2017**, 19, 32663-32669	3.6	9
16	New perspectives on polyhedral molecules and their crystal structures. *Journal of Physical Organic Chemistry*, **2010**, 23, 1080-1087	2.1	9
15	Understanding the Interplay of Dispersion, Charge Transfer, and Electrostatics in Noncovalent Interactions: The Case of Bromine□arbonyl Short Contacts. *Crystal Growth and Design*, **2020**, 20, 7180-7187	3.5	9
14	Zinc-Zinc Double Bonds: A Theoretical Study. *Angewandte Chemie - International Edition*, **2017**, 56, 10151-10155	16.1	8
13	The interplay of non-covalent interactions determining the antiparallel conformation of (isocyanide)gold(I) dimers. *CrystEngComm*, **2018**, 20, 3987-3993	3.3	8
12	In(iii)In(iii) short contacts: an unnoticed metallophilic interaction?. *Chemical Communications*, **2018**, 54, 6312-6315	5.8	7
11	Effect of the Substituents on the Nature and Strength of Lone-Pair□arbonyl Interactions in Acyl Halides. *Crystal Growth and Design*, **2019**, 19, 6511-6518	3.5	6
10	Non-covalent interactions induced supramolecular architecture of Hg(NCS)2 with 3-pyridinecarbaldehyde nicotinoylhydrazone. *Inorganica Chimica Acta*, **2020**, 509, 119700	2.7	5
9	Understanding the Molecule-Electrode Interface for Molecular Spintronic Devices: A Computational and Experimental Study. *Molecules*, **2018**, 23,	4.8	3
8	Cooperative Effects between Hydrogen Bonds and C?O□□S Interactions in the Crystal Structures of Sulfoxides. *Crystal Growth and Design*, **2021**, 21, 2481-2487	3.5	3

7	Methyl groups as widespread Lewis bases in noncovalent interactions. *Nature Communications*, **2021**, 12, 5030	17.4	3
6	Delocalized Bonding in LiX Rings: Probing the Limits of the Covalent and Ionic Bonding Models. *Inorganic Chemistry*, **2021**, 60, 345-356	5.1	2
5	The Design of a Single-Molecule Motor. *Advances in Atom and Single Molecule Machines*, **2015**, 81-94	0	1
4	Interplay of halogen and hydrogen bonding in a series of heteroleptic iron(III) complexes. *CrystEngComm*, **2021**, 23, 4069-4076	3.3	1
3	Intermolecular Interactions between Thiocyanato Ligands in Metal Complexes. *Crystal Growth and Design*, **2021**, 21, 1636-1644	3.5	1
2	Zinc□inc Double Bonds: A Theoretical Study. *Angewandte Chemie*, **2017**, 129, 10285-10289	3.6	0
1	From Simple Alkenes and CO2 to Fluorinated Carboxylic Acids: Computational Studies and Predictions. *European Journal of Organic Chemistry*, **2022**, 2022, e202101243	3.2	