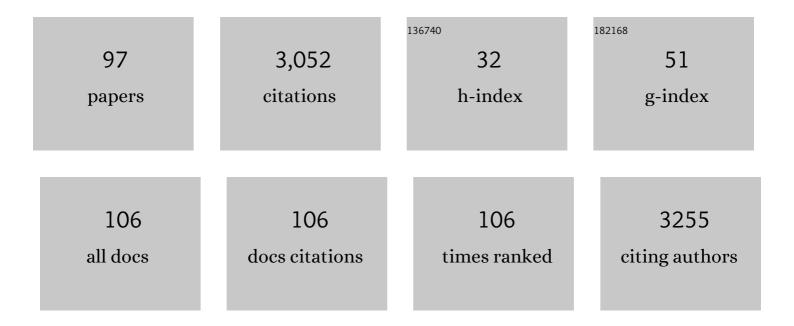
List of Publications by Year in descending order

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LODDI DIBVE

#	Article	IF	CITATIONS
1	Controlling Chemical Reactivity with Optimally Oriented Electric Fields: A Generalization of the Newton Trajectory Method. Journal of Chemical Theory and Computation, 2022, 18, 935-952.	2.3	6
2	Electronic structure and magnetic coupling in selenium substituted pyridine-bridged bisdithiazolyl multifunctional molecular materials. Physical Chemistry Chemical Physics, 2022, 24, 12196-12207.	1.3	2
3	2D Hexagonal Covalent Organic Radical Frameworks as Tunable Correlated Electron Systems. Advanced Functional Materials, 2021, 31, 2004584.	7.8	14
4	Structural, ferroelectric, and optical properties of <scp>Bi<sup>3+</sup></scp> doped <scp>YFeO<sub>3</sub></scp> : A firstâ€principles study. International Journal of Quantum Chemistry, 2021, 121, e26551.	1.0	4
5	Refined metadynamics through canonical sampling using timeâ€invariant bias potential: A study of polyalcohol dehydration in hot acidic solutions. Journal of Computational Chemistry, 2021, 42, 156-165.	1.5	5
6	Twistable dipolar aryl rings as electric field actuated conformational molecular switches. Physical Chemistry Chemical Physics, 2021, 23, 3844-3855.	1.3	9
7	Barnes Update Applied in the Gauss–Newton Method: An Improved Algorithm to Locate Bond Breaking Points. Journal of Chemical Theory and Computation, 2021, 17, 996-1007.	2.3	6
8	Insights into the magnetism and phase transitions of organic radical-based materials. Journal of Materials Chemistry C, 2021, 9, 10624-10646.	2.7	27
9	Pitfalls on evaluating pair exchange interactions for modelling molecule-based magnetism. Journal of Materials Chemistry C, 2021, 9, 10647-10660.	2.7	7
10	Controlling pairing of π-conjugated electrons in 2D covalent organic radical frameworks via in-plane strain. Nature Communications, 2021, 12, 1705.	5.8	18
11	Low temperature structures and magnetic interactions in the organic-based ferromagnetic and metamagnetic polymorphs of decamethylferrocenium 7,7,8,8-tetracyano-p-quinodimethanide, [FeCp*2]E™+[TCNQ]E™â^'. Dalton Transactions, 2021, 50, 11228-11242.	1.6	6
12	Accurate calculation of spin-state energy gaps in Fe(iii) spin-crossover systems using density functional methods. Dalton Transactions, 2021, 50, 17635-17642.	1.6	7
13	First-principles study of the coexisting ferroelectric and ferromagnetic properties of the La0.75Bi0.25CrO3 compound. Computational Materials Science, 2020, 171, 109262.	1.4	6
14	Structural, electronic and ferroelectric properties of Zn93.75M6.25O (MÂ=ÂSr, Ba): first-principles calculations. Scripta Materialia, 2020, 187, 8-12.	2.6	1
15	Two different mechanisms of stabilization of regular π-stacks of radicals in switchable dithiazolyl-based materials. Journal of Materials Chemistry C, 2020, 8, 5437-5448.	2.7	7
16	Effect of La3+/Sr2+ ordering on the magnetic properties of La2/3Sr1/3MnO3 by first principles calculations. Computational Materials Science, 2020, 177, 109575.	1.4	2
17	Thermal spin crossover in Fe( <scp>ii</scp> ) and Fe( <scp>iii</scp> ). Accurate spin state energetics at the solid state. Physical Chemistry Chemical Physics, 2020, 22, 4938-4945.	1.3	32
18	Interplay between the Gentlest Ascent Dynamics Method and Conjugate Directions to Locate Transition States. Journal of Chemical Theory and Computation, 2019, 15, 5426-5439.	2.3	3

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19	Understanding Competition of Polyalcohol Dehydration Reactions in Hot Water. Journal of Physical Chemistry B, 2019, 123, 1662-1671.	1.2	4
20	Reorganization of Intermolecular Interactions in the Polymorphic Phase Transition of a Prototypical Dithiazolyl-Based Bistable Material. Crystal Growth and Design, 2019, 19, 2329-2339.	1.4	7
21	Selective Nanomechanics of Aromatic versus Aliphatic Thiolates on Gold Surfaces. Physical Review Letters, 2019, 122, 086801.	2.9	1
22	Toward a theory of mechanochemistry: Simple models from the very beginnings. International Journal of Quantum Chemistry, 2018, 118, e25775.	1.0	18
23	The magnetic fingerprint of dithiazolyl-based molecule magnets. Physical Chemistry Chemical Physics, 2018, 20, 20406-20416.	1.3	16
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26	Molecules Designed to Contain Two Weakly Coupled Spins with a Photoswitchable Spacer. Chemistry - A European Journal, 2017, 23, 13648-13659.	1.7	22
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28	Analysis of the Acting Forces in a Theory of Catalysis and Mechanochemistry. Journal of Physical Chemistry A, 2017, 121, 2820-2838.	1.1	24
29	Origin of Bistability in the Butylâ€6ubstituted Spirobiphenalenylâ€Based Neutral Radical Material. Chemistry - A European Journal, 2017, 23, 7772-7784.	1.7	10
30	An algorithm to locate optimal bond breaking points on a potential energy surface for applications in mechanochemistry and catalysis. Journal of Chemical Physics, 2017, 147, 152710.	1.2	22
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34	Forceâ€Induced Reversal of βâ€Eliminations: Stressed Disulfide Bonds in Alkaline Solution. Angewandte Chemie - International Edition, 2016, 55, 1304-1308.	7.2	16
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37	Forceâ€Induced Reversal of βâ€Eliminations: Stressed Disulfide Bonds in Alkaline Solution. Angewandte Chemie, 2016, 128, 1326-1330.	1.6	3
38	Towards an accurate and computationally-efficient modelling of Fe( <scp>ii</scp> )-based spin crossover materials. Physical Chemistry Chemical Physics, 2015, 17, 16306-16314.	1.3	53
39	Electronic Excitation Energies in Dimers between Radical Ions Presenting Long, Multicenter Bonding. Journal of Chemical Theory and Computation, 2015, 11, 2651-2660.	2.3	6
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41	Unravelling the Key Driving Forces of the Spin Transition in π-Dimers of Spiro-biphenalenyl-Based Radicals. Journal of the American Chemical Society, 2015, 137, 12843-12855.	6.6	20
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