

# Eduard Cremades

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25  
papers

4,416  
citations

20  
h-index

25  
g-index

25  
ext. papers

4,856  
ext. citations

7.1  
avg, IF

5.03  
L-index

#	Paper	IF	Citations
25	Covalent radii revisited. <i>Dalton Transactions</i> , <b>2008</b> , 2832-8	4.3	2540
24	Mononuclear single-molecule magnets: tailoring the magnetic anisotropy of first-row transition-metal complexes. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 7010-8	16.4	335
23	Origin of slow magnetic relaxation in Kramers ions with non-uniaxial anisotropy. <i>Nature Communications</i> , <b>2014</b> , 5, 4300	17.4	283
22	Slow magnetic relaxation in a Co(II)-Y(III) single-ion magnet with positive axial zero-field splitting. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 9130-4	16.4	242
21	Field and dilution effects on the slow relaxation of a luminescent DyO <sub>9</sub> low-symmetry single-ion magnet. <i>Chemical Communications</i> , <b>2012</b> , 48, 7916-8	5.8	189
20	Theoretical study of exchange coupling in 3d-Gd complexes: large magnetocaloric effect systems. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 10532-42	16.4	144
19	Family of carboxylate- and nitrate-diphenoxo triply bridged dinuclear Ni(II)Ln(III) complexes (Ln = Eu, Gd, Tb, Ho, Er, Y): synthesis, experimental and theoretical magneto-structural studies, and single-molecule magnet behavior. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 5857-68	5.1	126
18	Theoretical methods enlighten magnetic properties of a family of Mn(6) single-molecule magnets. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 8012-9	5.1	67
17	A molecular pair of [GdNi <sub>3</sub> ] tetrahedra bridged by water molecules. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 8264-8	4.8	57
16	The trigonal prism in coordination chemistry. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 10380-96	4.8	52
15	A new family of oxime-based hexanuclear manganese(III) single molecule magnets with high anisotropy energy barriers. <i>Chemical Communications</i> , <b>2010</b> , 46, 5106-8	5.8	51
14	Slow Magnetic Relaxation in a Co(II) Single-Ion Magnet with Positive Axial Zero-Field Splitting. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 9300-9304	3.6	44
13	Huge magnetic anisotropy in a trigonal-pyramidal nickel(II) complex. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 676-8	5.1	38
12	Mononuclear Fe(II) single-molecule magnets: a theoretical approach. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 4016-20	5.2	35
11	Synthesis, crystal structure and magnetism of new salicylamidoxime-based hexanuclear manganese(III) single-molecule magnets. <i>Dalton Transactions</i> , <b>2012</b> , 41, 13668-81	4.3	33
10	Magnetic properties of largest-spin single molecule magnets: Mn <sup>17</sup> complexes--a density functional theory approach. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 9641-8	5.1	30
9	Jahn-Teller distortions of six-coordinate Cu(II) compounds: cis or trans?. <i>Chemical Communications</i> , <b>2009</b> , 4242-4	5.8	25

8	S(T) = 22 [Mn <sub>10</sub> ] supertetrahedral building-block to design extended magnetic networks. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 8580-7	5.1	24
7	CoII LnIII dinuclear complexes (LnIII = Gd, Tb, Dy, Ho and Er) as platforms for 1,5-dicyanamide-bridged tetranuclear CoII <sub>2</sub> LnIII <sub>2</sub> complexes: A magneto-structural and theoretical study. <i>Comptes Rendus Chimie</i> , <b>2012</b> , 15, 878-888	2.7	23
6	Can theoretical methods go beyond the experimental data? The case of molecular magnetism. <i>Dalton Transactions</i> , <b>2009</b> , 5873-8	4.3	22
5	A MnII <sub>6</sub> MnIII <sub>6</sub> single-strand molecular wheel with a reuleaux triangular topology: synthesis, structure, magnetism, and DFT studies. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 12070-9	5.1	17
4	Spin-polarized transport through single-molecule magnet Mn <sub>6</sub> complexes. <i>Nanoscale</i> , <b>2013</b> , 5, 4751-7	7.7	16
3	All-round robustness of the Mn <sub>19</sub> coordination cluster system: experimental validation of a theoretical prediction. <i>Chemical Communications</i> , <b>2014</b> , 50, 5847-50	5.8	15
2	The Periodic-Table-A Universal Icon: Its Birth 150 Years Ago, and Its Popularization Through Literature Art and Music. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 13194-13206	16.4	6
1	Das Periodensystem – eine universelle Ikone: seine Entstehung vor 150 Jahren und seine Verbreitung durch Literatur, Kunst und Musik. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 13328-13341	3.6	2