Selvan Demir

List of Publications by Year
in descending order

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		516561	526166
27	2,115	16	27
papers	citations	h-index	g-index

30	30	30	2047
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Radical ligand-containing single-molecule magnets. Coordination Chemistry Reviews, 2015, 289-290, 149-176.	9.5	489
2	Exchange Coupling and Magnetic Blocking in Bipyrimidyl Radical-Bridged Dilanthanide Complexes. Journal of the American Chemical Society, 2012, 134, 18546-18549.	6.6	337
3	Giant coercivity and high magnetic blocking temperatures for N2 3â^' radical-bridged dilanthanide complexes upon ligand dissociation. Nature Communications, 2017, 8, 2144.	5.8	273
4	Exchange coupling and magnetic blocking in dilanthanide complexes bridged by the multi-electron redox-active ligand 2,3,5,6-tetra(2-pyridyl)pyrazine. Chemical Science, 2014, 5, 4701-4711.	3.7	151
5	Large Spinâ€Relaxation Barriers for the Lowâ€Symmetry Organolanthanide Complexes [Cp*₂Ln(BPh₄)] (Cp*=pentamethylcyclopentadienyl; Ln=Tb, Dy). Chemistry - A European Journal, 2014, 20, 9524-9529.	1.7	143
6	A Trinuclear Radicalâ€Bridged Lanthanide Singleâ€Molecule Magnet. Angewandte Chemie - International Edition, 2017, 56, 10103-10107.	7.2	127
7	Extraction of Lanthanide and Actinide Ions from Aqueous Mixtures Using a Carboxylic Acid-Functionalized Porous Aromatic Framework. ACS Central Science, 2016, 2, 253-265.	5.3	103
8	Solubility of Nanocrystalline Cerium Dioxide: Experimental Data and Thermodynamic Modeling. Journal of Physical Chemistry C, 2016, 120, 22615-22626.	1.5	89
9	Substituent Effects on Exchange Coupling and Magnetic Relaxation in 2,2â€²-Bipyrimidine Radical-Bridged Dilanthanide Complexes. Journal of the American Chemical Society, 2020, 142, 21197-21209.	6.6	86
10	Synthesis, Structure, and Density Functional Theory Analysis of a Scandium Dinitrogen Complex, [(C₅Me₄H)₂Sc]₂(Î¼-Î·²:Î·²-N₂). Journal of the American Chemical Society, 2010, 132, 11151-11158.	2.6	62
11	Organometallic lanthanide bismuth cluster single-molecule magnets. CheM, 2022, 8, 717-730.	5.8	39
12	Slow Magnetic Relaxation in a Dysprosium Ammonia Metallocene Complex. Inorganic Chemistry, 2017, 56, 15049-15056.	1.9	35
13	A Trinuclear Radicalâ€Bridged Lanthanide Singleâ€Molecule Magnet. Angewandte Chemie, 2017, 129, 10237-10241.	1.6	31
14	Facile Insertion of N₂O into Metalâ^'Carbon Bonds of Metallocene Allyl Complexes to Form (RN₂O)^{â^'} Ligands. Organometallics, 2010, 29, 6608-6611.	1.1	23
15	Perspectives on Neutron Scattering in Lanthanide-Based Single-Molecule Magnets and a Case Study of the Tb2(Î¼-N2) System. Magnetochemistry, 2016, 2, 45.	1.0	23
16	Scandium and yttrium metallocene borohydride complexes: comparisons of (BH4)1â^'vs. (BPh4)1â^' coordination and reactivity. Dalton Transactions, 2012, 41, 9659.	1.6	19
17	Tris(polyalkylcyclopentadienyl) Complexes: The Elusive [(Î·⁵â€C₅R₅)₂M(Î·¹â€C₅R₅)] Structure and Trihapto Cyclopentadienyl Coordination Involving a Methyl Substituent. Angewandte Chemie - International Edition, 2011, 50, 515-518.	7.2	16
18	Slow magnetic relaxation in a neodymium metallocene tetraphenylborate complex. Journal of Organometallic Chemistry, 2018, 857, 164-169.	0.8	15

#	Article	IF	Citations
19	A rare earth metallocene containing a 2,2â€²-azopyridyl radical anion. Chemical Science, 2021, 12, 15219-15228.	3.7	10
20	Ïƒ Bond Metathesis Reactivity of Allyl Scandium Metallocenes with Diphenyldichalcogenides, PhEEPh (E) Tj ETQq0 0 0 rgBT /Overlock 10	1.1	9
21	Heteroleptic Rare-Earth Tris(metallocenes) Containing a Dibenzocyclooctatetraene Dianion. Inorganic Chemistry, 2022, 61, 2444-2454.	1.9	9
22	Slow Magnetic Relaxation in Monoâ€•and Bimetallic Lanthanide Tetraimidoâ€Sulfate S(N t Bu) 4 2â^' Complexes. Chemistry - A European Journal, 2021, 27, 12310-12319.	1.7	7
23	Taming salophen in rare earth metallocene chemistry. Inorganic Chemistry Frontiers, 2022, 9, 1325-1336.	3.0	7
24	Isolation of the elusive bisbenzimidazole Bbim^{3â^'}Ë™ radical anion and its employment in a metal complex. Chemical Science, 2022, 13, 5818-5829.	3.7	6
25	Cyclopentadienyls and Phospholyls of the Group 3 Metals and Lanthanides. , 2021, , .		2
26	Slow Magnetic Relaxation in Monoâ€•and Bimetallic Lanthanide Tetraimido Sulfate S(N t Bu) 4 2â^' Complexes. Chemistry - A European Journal, 2021, 27, 12236-12236.	1.7	1
27	Pursuing the excision of carbon-centred hexanuclear scandium clusters {CSc. Australian Journal of Chemistry, 2022, 75, 523-531.	0.5	1