

Metal–Metal (MM) Bond Distances and Bond Orders in First Row Transition Metals Titanium Through Zinc

Chemical Reviews

118, 11626-11706

DOI: [10.1021/acs.chemrev.8b00297](https://doi.org/10.1021/acs.chemrev.8b00297)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Identification of a uranium–rhodium triple bond in a heterometallic cluster. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17654-17658.	3.3	35
2	Prediction of high bond-order metal–metal multiple-bonds in heterobimetallic 3d–4f/5f complexes [TM{M(N(o-[NCH ₂ P(CH ₃) ₂]C ₆ H ₄) ₃)}] (TM = Cr, Mn, Fe; M = U, Np, Pu, and Nd). Dalton Transactions, 2019, 48, 12867-12879.	1.6	9
3	Dual transition metal doped germanium clusters for catalysis of CO oxidation. Journal of Alloys and Compounds, 2019, 806, 698-704.	2.8	13
4	Investigation of novel composites to be used as backfill materials in radioactive waste disposal facilities. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 455-465.	0.7	1
5	Quadruple bonding between iron and boron in the BFe(CO) ₃ ⁺ complex. Nature Communications, 2019, 10, 4713.	5.8	34
6	Double core hole valence-to-core x-ray emission spectroscopy: A theoretical exploration using time-dependent density functional theory. Journal of Chemical Physics, 2019, 151, 144114.	1.2	11
7	One Macrocyclic Ligand, Four Oxidation States: A 16-Atom Ringed Dianionic Tetra-NHC Macrocycle and Its Cr(II) through Cr(V) Complexes. Organometallics, 2019, 38, 3369-3376.	1.1	11
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9	Neutral nano-polygons with ultrashort Be–Be distances. Dalton Transactions, 2019, 48, 15802-15809.	1.6	7
10	Computational design of species with ultrashort Be–Be distances using planar hexacoordinate carbon structures as the templates. Dalton Transactions, 2019, 48, 6581-6587.	1.6	7
11	Trapping an unprecedented Ti ₃ C ₃ unit inside the icosahedral C ₈₀ fullerene: a crystallographic survey. Chemical Science, 2019, 10, 10925-10930.	3.7	33
12	Interdependent Metal–Metal Bonding and Ligand Redox-Activity in a Series of Dinuclear Macrocyclic Complexes of Iron, Cobalt, and Nickel. Inorganic Chemistry, 2020, 59, 4200-4214.	1.9	27
13	All–Metallic Zn=Zn Double–Bonded Octahedral Zn ₂ M ₄ (M=Li, Na) Clusters with Negative Oxidation State of Zinc. ChemPhysChem, 2020, 21, 459-463.	1.0	11
14	Formation of Short Zn–Zn Bonds Stabilized by Simple Cyanide and Isocyanide Ligands. Angewandte Chemie - International Edition, 2020, 59, 2496-2504.	7.2	9
15	Formation of Short Zn–Zn Bonds Stabilized by Simple Cyanide and Isocyanide Ligands. Angewandte Chemie, 2020, 132, 2517-2525.	1.6	1
16	Coordination bonding in dicopper and dichromium tetrakis(1/4-acetato)–diaqua complexes: Nature, strength, length, and topology. Journal of Computational Chemistry, 2020, 41, 698-714.	1.5	7
17	Unsaturated binuclear homoleptic nickel carbonyl anions Ni ₂ (CO) _n [−] (n = 4–6) featuring double three-center two-electron Ni–C–Ni bonds. Physical Chemistry Chemical Physics, 2020, 22, 23773-23784.	1.3	4
18	Multiple d–d bonds between early transition metals in TM ₂ Lin (TM = Sc, Ti) superatomic molecule clusters. Nanoscale, 2020, 12, 20506-20512.	2.8	5

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20	Metal–metal bond distances and bond orders in dimanganese complexes with bidentate ligands: scope for some very short Mn–Mn bonds. <i>New Journal of Chemistry</i> , 2020, 44, 12993-13006.	1.4	8
21	Implementation of Cooperative Designs in Polarized Transition Metal Systems—Significance for Bond Activation and Catalysis. <i>ACS Catalysis</i> , 2020, 10, 14024-14055.	5.5	57
22	Synthesis and Characterization of a Linear Triiron(II) Extended Metal Atom Chain Complex with Fe–Fe Bonds. <i>Inorganic Chemistry</i> , 2020, 59, 11238-11243.	1.9	15
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25	Perfluoroolefin complexes versus perfluorometallacycles and perfluorocarbene complexes in cyclopentadienylcobalt chemistry. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7616-7624.	1.3	2
26	Construction of heterometallic clusters with multiple uranium–metal bonds by using dianionic nitrogen–phosphorus ligands. <i>Chemical Science</i> , 2020, 11, 7585-7592.	3.7	27
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56	Binuclear Cobalt Paddlewheel-Type Complexes: Relating Metal–Metal Bond Lengths to Formal Bond Orders. <i>Inorganic Chemistry</i> , 2021, 60, 584-596.	1.9	4
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