Christopher B Durr

List of Publications by Year
in descending order

43	777	567281 15	552781 26
papers	citations	h-index	g-index

46	46	46	882
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Unusually Efficient Pyridine Photodissociation from Ru(II) Complexes with Sterically Bulky Bidentate Ancillary Ligands. Journal of Physical Chemistry A, 2014, 118, 10603-10610.	2.5	92
2	Indium Catalysts for Low-Pressure CO₂/Epoxide Ring-Opening Copolymerization: Evidence for a Mononuclear Mechanism?. Journal of the American Chemical Society, 2018, 140, 6893-6903.	13.7	68
3	Groups 1, 2 and Zn(II) Heterodinuclear Catalysts for Epoxide/CO₂ Ring-Opening Copolymerization. Inorganic Chemistry, 2018, 57, 15575-15583.	4.0	56
4	[MoO(S₂)₂L]^{1â€“} (L = picolinate or pyrimidine-2-carboxylate) Complexes as MoS_x-Inspired Electrocatalysts for Hydrogen Production in Aqueous Solution. Journal of the American Chemical Society, 2016, 138, 13726-13731.	13.7	41
5	Heterodinuclear complexes featuring Zn(<scp>ii</scp>) and M = Al(<scp>iii</scp>), Ga(<scp>iii</scp>) or In(<scp>iii</scp>) for cyclohexene oxide and CO₂ copolymerisation. Dalton Transactions, 2020, 49, 223-231.	3.3	41
6	Selective Photoinduced Ligand Exchange in a New Trisâ€“Heteroleptic Ru(II) Complex. Journal of Physical Chemistry A, 2013, 117, 13885-13892.	2.5	39
7	Ethyl 2-hydroxy-2-methylpropanoate derivatives of magnesium and zinc. The effect of chelation on the homo- and copolymerization of lactide and Îµ-caprolactone. Dalton Transactions, 2014, 43, 2781-2788.	3.3	31
8	Ortho-vanillin derived Al(<scp>iii</scp>) and Co(<scp>iii</scp>) catalyst systems for switchable catalysis using Îµ-decalactone, phthalic anhydride and cyclohexene oxide. Catalysis Science and Technology, 2021, 11, 1737-1745.	4.1	31
9	Single-site bismuth alkoxide catalysts for the ring-opening polymerization of lactide. Dalton Transactions, 2013, 42, 11234.	3.3	28
10	Heterodinuclear Zn(II), Mg(II) or Co(III) with Na(I) Catalysts for Carbon Dioxide and Cyclohexene Oxide Ring Opening Copolymerizations. Chemistry - A European Journal, 2021, 27, 12224-12231.	3.3	28
11	New Coordination Modes for Modified Schiff Base Ti(IV) Complexes and Their Control over Lactone Ring-Opening Polymerization Activity. Inorganic Chemistry, 2018, 57, 14240-14248.	4.0	27
12	Heterodinuclear Mg(II)M(II) (M=Cr, Mn, Fe, Co, Ni, Cu and Zn) Complexes for the Ring Opening Copolymerization of Carbon Dioxide/Epoxide and Anhydride/Epoxide. Chemistry - A European Journal, 2022, 28, .	3.3	26
13	Indium phosphasalen catalysts showing high isoselectivity and activity in racemic lactide and lactone ring opening polymerizations. Catalysis Science and Technology, 2020, 10, 7226-7239.	4.1	24
14	BDIâˆ—MgX(L) where X = Bu and O Bu and L = THF, py and DMAP. The rates of kinetic exchange of L where BDIâˆ—= CH{C(Bu)N-2,6- Pr2C6H3}2. Polyhedron, 2016, 103, 235-240.	2.2	20
15	Heterodinuclear catalysts Zn(<scp>ii</scp>)/M and Mg(<scp>ii</scp>)/M, where M = Na(<scp>i</scp>), Ca(<scp>ii</scp>) or Cd(<scp>ii</scp>), for phthalic anhydride/cyclohexene oxide ring opening copolymerisation. Catalysis Science and Technology, 2021, 11, 3109-3118.	4.1	16
16	Mo₂ Paddlewheel Complexes Functionalized with a Single MLCT, S₁ Infrared-Active Carboxylate Reporter Ligand: Preparation and Studies of Ground and Photoexcited States. Inorganic Chemistry, 2014, 53, 637-644.	4.0	15
17	Metalâ€“Metal Quadruple Bonds Supported by 5-Ethynylthiophene-2-carboxylato Ligands: Preparation, Molecular and Electronic Structures, Photoexcited State Dynamics, and Application as Molecular Synthons. Journal of the American Chemical Society, 2013, 135, 8254-8259.	13.7	14
18	Electronic and Spectroscopic Properties of Avobenzone Derivatives Attached to Mo₂ Quadruple Bonds: Suppression of the Photochemical Enol-to-Keto Transformation. Journal of the American Chemical Society, 2015, 137, 5155-5162.	13.7	14

#	Article	IF	Citations
19	1,1,3,3-Tetramethylguanidine solvated lanthanide aryloxides: pre-catalysts for intramolecular hydroalkoxylation. Dalton Transactions, 2009, , 10601.	3.3	13
20	MM quadruple bonds supported by cyanoacrylate ligands. Extending photon harvesting into the near infrared and studies of the MLCT states. Chemical Science, 2013, 4, 2105.	7.4	13
21	Photophysical Properties of cis-Mo₂ Quadruply Bonded Complexes and Observation of Photoinduced Electron Transfer to Titanium Dioxide. Journal of the American Chemical Society, 2014, 136, 11428-11435.	13.7	12
22	Molybdenumâ€“molybdenum quadruple bonds supported by 9,10-anthraquinone carboxylate ligands. Molecular, electronic, ground state and unusual photoexcited state properties. Chemical Science, 2014, 5, 2657.	7.4	11
23	Electronic Structure and Excited-State Dynamics of the Molecular Triads: trans-M₂(TⁱPB)₂[O₂CC₆H₅-Î·⁶ Where M = Mo or W, and TⁱPB = 2,4,6-triisopropylbenzoate. Journal of the American Chemical Society, 2012, 134, 20820-20826.	13.7	10
24	TMPZnN(SiMe3)2, [TMPZn(Î¼-O Pr)]2 and TMPZn[OCMe2C(O)OEt]. Their role in the ring-opening of rac-lactide and Îµ-caprolactone where TMPÂ=Â1,5,9-trimesityldipyrromethene. Journal of Organometallic Chemistry, 2016, 812, 56-65.	1.8	10
25	On the Molecular Structure and Bonding in a Lithium Bismuth Porphyrin Complex: LiBi(TPP)₂. Angewandte Chemie - International Edition, 2014, 53, 1594-1597.	13.8	9
26	A Family of 1,1,3,3-Tetraalkylguanidine (H-TAG) Solvated Zinc Aryloxide Precatalysts for the Ring-Opening Polymerization ofrac-Lactide. European Journal of Inorganic Chemistry, 2010, 2010, 1424-1430.	2.0	7
27	Concerning the Ground State and S₁ and T₁ Photoexcited States of the Homoleptic Quadruply Bonded Complexes Mo₂(O₂CC₆H₄-p-X)₄, where X = Câ‰¡Câ€“H or Câ‰¡N. Journal of Physical Chemistry A, 2013, 117, 13893-13898.	2.5	7
28	Modulating the M2Î´-to-ligand charge transfer transition by the use of diarylboron substituents. Dalton Transactions, 2013, 42, 14491.	3.3	6
29	Isomerization initiated by photoinduced ligand dissociation in Ru(<scp>II</scp>) complexes with the ligand 2-p-tolylpyridinecarboxaldimine. Dalton Transactions, 2014, 43, 17828-17837.	3.3	6
30	Steric and Electronic Factors Associated with the Photoinduced Ligand Exchange of Bidentate Ligands Coordinated to Ru(<scp>II</scp>). Photochemistry and Photobiology, 2015, 91, 616-623.	2.5	6
31	Dimeric FeFe-hydrogenase mimics bearing carboxylic acids: Synthesis and electrochemical investigation. Polyhedron, 2016, 103, 21-27.	2.2	6
32	TMPMg Bu(L), where LÂ= THF, 2-MeTHF, pyridine and dimethylaminopyridine and TMPÂ= 1,5,9-trimesityldipyrromethene: Reaction with lactide and Îµ-caprolactone. Journal of Organometallic Chemistry, 2017, 842, 74-81.	1.8	6
33	Titanium ONN-(phenolate) Alkoxide Complexes: Unique Reaction Kinetics for Ring-Opening Polymerization of Cyclic Esters. Inorganic Chemistry, 2021, 60, 19336-19344.	4.0	6
34	Coordination of N,N-Chelated Re(CO)3Cl Units Across a Mo2 Quadruple Bond: Synthesis, Characterization, and Photophysical Properties of a Reâ€“Mo2â€“Re Triad and Its Component Pieces. Journal of Physical Chemistry A, 2013, 117, 5997-6006.	2.5	5
35	4-Nitrophenyl- and 4â€²-nitro-1,1â€²-biphenyl-4-carboxylates attached to Mo2 quadruple bonds: ground versus excited state M2Î´â€“ligand conjugation. Dalton Transactions, 2014, 43, 11397.	3.3	5
36	MM quadruply bonded complexes supported by vinylbenzoate ligands: synthesis, characterization, photophysical properties and application as synthons. Chemical Science, 2015, 6, 1780-1791.	7.4	5

#	Article	IF	Citations
37	Bismuthâ€“lithium bonding in the ion pairs: LiBiL₂, where L = a porphyrin or a salen ligand. Dalton Transactions, 2015, 44, 8205-8213.	3.3	5
38	Synthesis, Structure, and Photophysical Properties of Mo₂(NN)₄ and Mo₂(NN)₂(TⁱPB)₂, Where NN = N,Nâ€²-Diphenylphenylpropiolamidinate and TⁱPB = 2,4,6-Triisopropylbenzoate. Inorganic Chemistry, 2016, 55, 5836-5844.	4.0	5
39	Molecular and electronic structure of MM quadruply bonded complexes containing O2CC6H4N(Ph)2 supporting ligands. Polyhedron, 2013, 64, 339-345.	2.2	4
40	Oxalate Bridged MM Quadruply Bonded Oligomers: Considerations of Electronic Structure and Synthetic Strategies. Journal of Cluster Science, 2012, 23, 767-780.	3.3	2
41	Investigating the Ring-Opening Polymerization Activity of Niobium and Tantalum Ethoxides Supported by Phenoxyimine Ligands. ACS Omega, 2022, 7, 23995-24003.	3.5	2
42	Molecular ordering by halideâ€“halide interactions in dimolybdenum p-halobenzoates. Inorganica Chimica Acta, 2015, 424, 300-307.	2.4	1
43	Berichtigung: On the Molecular Structure and Bonding in a Lithium Bismuth Porphyrin Complex: LiBi(TPP)2. Angewandte Chemie, 2015, 127, 1718-1718.	2.0	0