Yorck-Michael Neuhold

List of Publications by Year
in descending order

30	1,241	471509 17	526287 27
papers	citations	h-index	g-index

31	31	31	1330
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Peroxo-, Oxo-, and Hydroxo-Bridged Dicopper Complexes:Â Observation of Exogenous Hydrocarbon Substrate Oxidation. Journal of the American Chemical Society, 1998, 120, 12960-12961.	13.7	180
2	Copper(I)â^'Dioxygen Reactivity of [(L)CuI]+(L = Tris(2-pyridylmethyl)amine):Â Kinetic/Thermodynamic and Spectroscopic Studies Concerning the Formation of Cuâ^'O2and Cu2â^'O2Adducts as a Function of Solvent Medium and 4-Pyridyl Ligand Substituent Variations. Inorganic Chemistry, 2003, 42, 1807-1824.	4.0	179
3	Binucleating Ligand Structural Effects on (Î¼-Peroxo)- and Bis(Î¼-oxo)dicopper Complex Formation and Decay:â€‰ Competition between Arene Hydroxylation and Aliphatic Câ^'H Bond Activation. Inorganic Chemistry, 1997, 36, 6343-6356.	4.0	138
4	(F8TPP)FeII/O2Reactivity Studies {F8TPP = Tetrakis(2,6-difluorophenyl)porphyrinate(2â^')}:Â Spectroscopic (UVâ^'Visible and NMR) and Kinetic Study of Solvent-Dependent (Fe/O2= 1:1 or 2:1) Reversible O2-Reduction and Ferryl Formation. Inorganic Chemistry, 2001, 40, 5754-5767.	4.0	121
5	Photoreactions of Mercury in Surface Ocean Water: Gross Reaction Kinetics and Possible Pathways. Environmental Science & Technology, 2010, 44, 644-649.	10.0	106
6	Formation and Characterization of a High-Spin Heme-Copper Dioxygen (Peroxo) Complex. Journal of the American Chemical Society, 1999, 121, 9885-9886.	13.7	78
7	In situ infrared monitoring of the solid/liquid catalyst interface during the three-phase hydrogenation of nitrobenzene over nanosized Au on TiO2. Physical Chemistry Chemical Physics, 2011, 13, 12463.	2.8	77
8	Analysis of reactions in aqueous solution at non-constant pH: no more buffers?. Physical Chemistry Chemical Physics, 2003, 5, 2836.	2.8	52
9	Oxo- and Hydroxo-Bridged Heme-Copper Assemblies Formed from Acidâ^'Base or Metalâ^'Dioxygen Chemistry. Inorganic Chemistry, 1999, 38, 3093-3102.	4.0	43
10	Application of a genetic algorithm: near optimal estimation of the rate and equilibrium constants of complex reaction mechanisms. Chemometrics and Intelligent Laboratory Systems, 2004, 70, 193-203.	3.5	32
11	HERFD XAS/ATR-FTIR batch reactor cell. Physical Chemistry Chemical Physics, 2012, 14, 2164-2170.	2.8	29
12	Rank annihilation correction for the amendment of instrumental inconsistencies. Analytica Chimica Acta, 2002, 464, 249-259.	5.4	25
13	Analyses of three-way data from equilibrium and kinetic investigations. Analytica Chimica Acta, 2003, 490, 99-108.	5.4	23
14	Hard-modelled trilinear decomposition (HTD) for an enhanced kinetic multicomponent analysis. Journal of Chemometrics, 2002, 16, 218-227.	1.3	22
15	Complexation Kinetics of Copper(II) and Nickel(II) with Macrocycles:Â Identification of an Outer-Sphere Chelate Effect. Inorganic Chemistry, 2007, 46, 4002-4009.	4.0	21
16	Uncertainties and error propagation in kinetic hard-modelling of spectroscopic data. Chemometrics and Intelligent Laboratory Systems, 2008, 93, 120-131.	3.5	21
17	Multivariate kinetic hard-modelling of spectroscopic data: A comparison of the esterification of butanol by acetic anhydride on different scales and with different instruments. Chemical Engineering Science, 2008, 63, 4800-4809.	3.8	17
18	Advances in the modelling and analysis of complex and industrial processes. Chemometrics and Intelligent Laboratory Systems, 2006, 82, 75-82.	3.5	15

#	Article	IF	Citations
19	An electrospray ionization mass spectrometry study of the nitroprussideâ€“cationâ€“thiolate system. Dalton Transactions RSC, 2002, , 3649-3655.	2.3	14
20	Nonisothermal Calorimetry for Fast Thermokinetic Reaction Analysis: Solvent-Free Esterification ofn-Butanol by Acetic Anhydride. Organic Process Research and Development, 2010, 14, 524-536.	2.7	11
21	Temperature oscillation calorimetry for the determination of the heat capacity in a small-scale reactor. Chemical Engineering Science, 2008, 63, 3755-3765.	3.8	10
22	Systematic prediction of linear dependencies in the concentration profiles and implications on the kinetic hard-modelling of spectroscopic data. Chemometrics and Intelligent Laboratory Systems, 2009, 95, 170-187.	3.5	6
23	Simulation of Complex Chemical Kinetics. Bioinorganic Reaction Mechanisms, 2003, 5, .	0.4	5
24	Kinetic hard-modelling and spectral validation of rank-deficient spectroscopic data: A case study. Chemometrics and Intelligent Laboratory Systems, 2009, 98, 213-226.	3.5	4
25	Combined in Situ Monitoring Method for Analysis and Optimization of the Lithiation-Fluoroacetylation of N-(4-Chlorophenyl)-Pivalamide. Industrial & Engineering Chemistry Research, 2011, 50, 5982-5991.	3.7	4
26	Activity-based analysis of potentiometric pH titrations. Analytica Chimica Acta, 2019, 1075, 49-56.	5.4	4
27	Simulation of Complex Chemical Kinetics. Bioinorganic Reaction Mechanisms, 2003, 5, 39-46.	0.4	4
28	Conjoint Analysis of Kinetic and Equilibrium Data for Mechanistic Elucidation in Polynuclear Complexation Reactions, Exemplified by Metal(II) Helicate Complex Formation. Australian Journal of Chemistry, 2010, 63, 141.	0.9	0
29	On-line Reaction Monitoring of Lithiation of Halogen Substituted Acetanilides via in situ Calorimetry, ATR Spectroscopy, and Endoscopy. Chimia, 2011, 65, 253.	0.6	0
30	Kinetic Modeling of Multivariate Measurements with Nonlinear Regression. , 2006, , 217-262.		0