

Liangfeng Guo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/538180/publications.pdf>

Version: 2024-02-01

27
papers

400
citations

687363

13
h-index

794594

19
g-index

28
all docs

28
docs citations

28
times ranked

480
citing authors

#	ARTICLE	IF	CITATIONS
1	High molecular weight hyper-branched PCL-based thermogelling vitreous endotamponades. <i>Biomaterials</i> , 2022, 280, 121262.	11.4	19
2	Preparation of quercetin nanorod/microcrystalline cellulose formulation via fluid bed coating crystallization for dissolution enhancement. <i>International Journal of Pharmaceutics</i> , 2020, 576, 118983.	5.2	16
3	Zinc diethyldithiocarbamate as a catalyst for synthesising biomedically-relevant thermogelling polyurethanes. <i>Materials Advances</i> , 2020, 1, 3221-3232.	5.4	9
4	In Situ Infrared Spectroscopy as a Tool for Monitoring Molecular Catalyst for Hydroformylation in Continuous Processes. <i>ACS Catalysis</i> , 2019, 9, 4308-4319.	11.2	35
5	Amino- ϵ -methyl coumarin as a potential SERS@Ag probe for the evaluation of protease activity and inhibition. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 82-88.	2.5	12
6	Synthesis of 3- ϵ -Fluoro-2- α -heterarylindoles and 3,3-difluoro-2- α -heterarylindolines through Lewis Acid-Catalyzed Formation of 3,3-difluoroindolium Ions. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 995-1006.	2.4	12
7	Two-Dimensional (2D) Correlation Analysis and the Search for Intermediates: A Strictly Mathematical Approach to an Important Mechanistic Question. <i>ACS Catalysis</i> , 2015, 5, 3588-3599.	11.2	5
8	Simultaneous determination of several crystal structures from powder mixtures: the combination of powder X-ray diffraction, band-target entropy minimization and Rietveld methods. <i>Journal of Applied Crystallography</i> , 2014, 47, 659-667.	4.5	48
9	Determining the pure component spectra of trace organometallic intermediates by combined application of in situ Raman spectroscopy and band-target entropy minimization analysis. <i>Vibrational Spectroscopy</i> , 2014, 70, 110-114.	2.2	5
10	Four Criteria for Evaluating Pure Component Spectral Estimates and the Subsequent Identification of Intermediates in Homogeneous Catalysis. <i>ACS Catalysis</i> , 2012, 2, 2327-2334.	11.2	15
11	Electronic Excitation of $[(\eta^4\text{-C}_4\text{H}_6)_2\text{Rh}(\text{CO})_2(\eta^5\text{-C}_5\text{H}_5)]$: An <i>In Situ</i> UV/Vis Spectroscopy, Spectral Reconstruction and DFT Study. <i>ChemPhysChem</i> , 2012, 13, 3139-3145.	0	0
12	Determination of the individual specific heat capacities of solids from multi-component powder mixtures and polymorphic mixtures. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 361-370.	3.6	6
13	From Stoichiometric to Catalytic Binuclear Elimination in Rh-W Hydroformylations. Identification of Two New Heterobimetallic Intermediates. <i>Organometallics</i> , 2011, 30, 4292-4296.	2.3	15
14	An Advanced Digital Filter for One-Dimensional Spectroscopic Data: Minimizing Distortion in Band Shapes and Band Intensities. <i>Applied Spectroscopy</i> , 2011, 65, 657-664.	2.2	0
15	Three approaches to total quantitative phase analysis of organic mixtures using an external standard. <i>Journal of Applied Crystallography</i> , 2011, 44, 17-24.	4.5	10
16	A multicomponent calibration approach to the microabsorption problem involving inorganic mixtures. <i>Journal of Applied Crystallography</i> , 2011, 44, 25-31.	4.5	1
17	Application of the BTEM family of algorithms to reconstruct individual UV-Vis spectra from multi-component mixtures. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009, 95, 94-100.	3.5	15
18	A combination of spectral re-alignment and BTEM for the estimation of pure component NMR spectra from multi-component non-reactive and reactive systems. <i>Analytica Chimica Acta</i> , 2008, 608, 48-55.	5.4	8

#	ARTICLE	IF	CITATIONS
19	Screening for Cocrystallization Tendency: The Role of Intermolecular Interactions. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9890-9895.	2.6	31
20	Application of Two-Dimensional Band-Target Entropy Minimization to Fluorescence Data: Implications for the Recovery of Patterns Arising from Only Bilinear and Not Trilinear Structures. <i>Applied Spectroscopy</i> , 2007, 61, 148-156.	2.2	5
21	The use of entropy minimization for the solution of blind source separation problems in image analysis. <i>Pattern Recognition</i> , 2006, 39, 1066-1073.	8.1	16
22	Experimental evidence for a significant homometallic catalytic binuclear elimination reaction: Linear-quadratic kinetics in the rhodium catalyzed hydroformylation of cyclooctene. <i>Journal of Catalysis</i> , 2006, 237, 67-78.	6.2	21
23	The development of a response surface model for the determination of infinite dilution partial molar volumes and excess volumes from dilute multi-component data alone. Implications for the characterization of non-isolatable solutes in complex homogeneous reactive systems. <i>Chemical Engineering Science</i> , 2005, 60, 3239-3249.	3.8	12
24	Development of 2D Band-Target Entropy Minimization and Application to the Deconvolution of Multicomponent 2D Nuclear Magnetic Resonance Spectra. <i>Analytical Chemistry</i> , 2005, 77, 1655-1662.	6.5	27
25	A general method for the recovery of pure powder XRD patterns from complex mixtures using no a priori information. <i>Analytica Chimica Acta</i> , 2004, 517, 229-236.	5.4	22
26	Identification of Rhodium-Rhenium Nonacarbonyl $\text{RhRe}(\text{CO})_9$. Spectroscopic and Thermodynamic Aspects. <i>Organometallics</i> , 2004, 23, 5275-5279.	2.3	6
27	Homogeneous Hydroformylation of Ethylene Catalyzed by $\text{Rh}_4(\text{CO})_{12}$. The Application of BTEM to Identify a New Class of Rhodium Carbonyl Spectra: A $\text{RCORh}(\text{CO})_3(\text{I}^- \cdot \text{C}_2\text{H}_4)$. <i>Organometallics</i> , 2004, 23, 2201-2204.	2.3	29