

Christian G Frank

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

452
citations

687363

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794594

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22
all docs

22
docs citations

22
times ranked

775
citing authors

#	ARTICLE	IF	CITATIONS
1	Concentrated protein solutions investigated using acoustic levitation and small-angle X-ray scattering. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 396-404.	2.4	3
2	An Optical pH Sensor Based on Diazaoxatriangulenium and Isopropyl- β -Bridged Diazatriangulenium Covalently Bound in a Composite Sol-Gel. <i>Advanced Materials Technologies</i> , 2019, 4, 1800561.	5.8	21
3	Investigating the Time Response of an Optical pH Sensor Based on a Polysiloxane-Polyethylene Glycol Composite Material Impregnated with a pH-Responsive Triangulenium Dye. <i>ACS Omega</i> , 2019, 4, 8381-8389.	3.5	10
4	Factors Affecting Seawater-Based Pretreatment of Lignocellulosic Date Palm Residues. , 2019, , 695-713.		2
5	A unified approach for investigating chemosensor properties – dynamic characteristics. <i>Analyst</i> , The, 2019, 144, 2208-2225.	3.5	11
6	Tuning the K_a of a pH Responsive Fluorophore and the Consequences for Calibration of Optical Sensors Based on a Single Fluorophore but Multiple Receptors. <i>ACS Sensors</i> , 2019, 4, 764-773.	7.8	24
7	Optical Chemical Sensor Using Intensity Ratiometric Fluorescence Signals for Fast and Reliable pH Determination. <i>ACS Sensors</i> , 2019, 4, 26-31.	7.8	47
8	Biocompatible Microporous Organically Modified Silicate Material with Rapid Internal Diffusion of Protons. <i>ACS Sensors</i> , 2018, 3, 692-699.	7.8	26
9	A Fluorescence Intensity Ratiometric Fiber Optics-Based Chemical Sensor for Monitoring pH. <i>Advanced Materials Technologies</i> , 2018, 3, 1800205.	5.8	29
10	Reviving Pretreatment Effectiveness of Deep Eutectic Solvents on Lignocellulosic Date Palm Residues by Prior Recalcitrance Reduction. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 3167-3174.	3.7	74
11	Insulin fibrillation: The influence and coordination of Zn ²⁺ . <i>Journal of Structural Biology</i> , 2017, 199, 27-38.	2.8	34
12	Factors affecting seawater-based pretreatment of lignocellulosic date palm residues. <i>Bioresource Technology</i> , 2017, 245, 540-548.	9.6	7
13	Reduction of hypervalent iodine by coordination to iron(III) and the crystal structures of PhIO and PhIO ₂ . <i>Dalton Transactions</i> , 2016, 45, 17714-17722.	3.3	17
14	Characterization of cellulose fibers by powder diffraction. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s508-s508.	0.1	0
15	Seawater as Alternative to Freshwater in Pretreatment of Date Palm Residues for Bioethanol Production in Coastal and/or Arid Areas. <i>ChemSusChem</i> , 2015, 8, 3823-3831.	6.8	47
16	Hydrothermal Pretreatment of Date Palm (<i>Phoenix dactylifera</i> L.) Leaflets and Rachis to Enhance Enzymatic Digestibility and Bioethanol Potential. <i>BioMed Research International</i> , 2015, 2015, 1-13.	1.9	21
17	Remote Loading of Cu ²⁺ into Liposomes without the Use of Ion Transport Enhancers. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22796-22806.	8.0	35
18	Strontium Localization in Bone Tissue Studied by X-Ray Absorption Spectroscopy. <i>Calcified Tissue International</i> , 2014, 94, 248-257.	3.1	22

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19	X-ray powder diffraction: A powerful tool for industrial protein production. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C1559-C1559.	0.1	0
20	Monitoring protein precipitates by in-house X-ray powder diffraction. Powder Diffraction, 2013, 28, S458-S469.	0.2	1
21	The structures of T6, T3R3 and R6 bovine insulin: combining X-ray diffraction and absorption spectroscopy. Acta Crystallographica Section D: Biological Crystallography, 2012, 68, 1259-1271.	2.5	15
22	A sample holder for in-house X-ray powder diffraction studies of protein powders. Journal of Applied Crystallography, 2011, 44, 1288-1290.	4.5	6