Nikola Chmel

List of Publications by Year in descending order

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687363 610901 29 610 13 24 citations h-index g-index papers 33 33 33 923 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Membrane protein extraction and purification using styrene–maleic acid (SMA) copolymer: effect of variations in polymer structure. Biochemical Journal, 2016, 473, 4349-4360.	3.7	109
2	Self-assembling optically pure Fe(A–B)3 chelates. Chemical Communications, 2009, , 1727.	4.1	82
3	Origins of stereoselectivity in optically pure phenylethaniminopyridine tris-chelates M(NN′)3n+ (M =) Tj ETQq1	1 _{3.3} 78431	14 rgBT /Ove
4	Spatial positioning of EB family proteins at microtubule tips involves distinct nucleotide-dependent binding properties. Journal of Cell Science, 2018, 132, .	2.0	44
5	Exploring the formation of 3D ferromagnetic cyano-bridged Cull2+x{Cull4[WV(CN)8]4â€"2x[WIV(CN)8]2x}·yH2O networks. Journal of Materials Chemistry, 2007, 17, 3308.	6.7	34
6	Redox-active and DNA-binding coordination complexes of clotrimazole. Dalton Transactions, 2015, 44, 3673-3685.	3.3	23
7	Spectroscopic signatures of an Fmoc–tetrapeptide, Fmoc and fluorene. RSC Advances, 2013, 3, 10854.	3.6	22
8	Multifaceted Studies of the DNA Interactions and In Vitro Cytotoxicity of Anticancer Polyaromatic Platinum(II) Complexes. Chemistry - A European Journal, 2016, 22, 8943-8954.	3.3	21
9	Oxidized polyethylene films for orienting polar molecules for linear dichroism spectroscopy. Analyst, The, 2014, 139, 1372-1382.	3.5	20
10	Infrared absorbance spectroscopy of aqueous proteins: Comparison of transmission and ATR data collection and analysis for secondary structure fitting. Chirality, 2018, 30, 957-965.	2.6	18
11	Hepatic VLDL secretion: DGAT1 determines particle size but not particle number, which can be supported entirely by DGAT2. Journal of Lipid Research, 2019, 60, 111-120.	4.2	16
12	CD81 extracted in SMALP nanodiscs comprises two distinct protein populations within a lipid environment enriched with negatively charged headgroups. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183419.	2.6	16
13	Organic-soluble optically pure anionic metal complexes PPh4[MIII(S,S-EDDS)]Â-2H2O (M = Fe, Co, Cr). Dalton Transactions, 2010, 39, 2919.	3.3	15
14	Calculations of flow-induced orientation distributions for analysis of linear dichroism spectroscopy. Soft Matter, 2013, 9, 4977.	2.7	15
15	TTF salts of optically pure cobalt pyridine amidates; detection of soluble assemblies with stoichiometry corresponding to the solid state. Dalton Transactions, 2011, 40, 1722.	3.3	13
16	Jahn–Teller effects on π-stacking and stereoselectivity in the phenylethaniminopyridine tris-chelates Cu(NN′)32+. Dalton Transactions, 2012, 41, 4477.	3.3	12
17	Circular and Linear Dichroism Spectroscopy for the Study of Protein–Ligand Interactions. Methods in Molecular Biology, 2013, 1008, 211-241.	0.9	11
18	Insight into the Mechanism of Action and Peptideâ€Membrane Interactions of Aibâ€Rich Peptides: Multitechnique Experimental and Theoretical Analysis. ChemBioChem, 2021, 22, 1656-1667.	2.6	11

#	Article	IF	CITATIONS
19	Fluorescence detected linear dichroism of small molecules oriented on polyethylene film. Analyst, The, 2018, 143, 5805-5811.	3.5	8
20	Fluorescence detected linear dichroism spectroscopy: A selective and sensitive probe for fluorophores in flowâ€oriented systems. Chirality, 2018, 30, 227-237.	2.6	7
21	Chiral Semiconductor Phases: The Optically Pure $D \leq 3 < \text{bol} \ (D = TTF, TSF) $ Family. Inorganic Chemistry, 2011, 50, 4039-4046.	4.0	6
22	Light scattering corrections to linear dichroism spectroscopy for liposomes in shear flow using calcein fluorescence and modified Rayleigh-Gans-Debye-Mie scattering. Biophysical Reviews, 2018, 10, 1385-1399.	3.2	6
23	Enhanced properties of well-defined polymer networks prepared by a sequential thiol-Michael - radical thiol-ene (STMRT) strategy. European Polymer Journal, 2021, 151, 110440.	5.4	5
24	Influence of the tetraalkoxysilane crosslinker on the properties of polysiloxane-based elastomers prepared by the Lewis acid-catalysed Piers-Rubinsztajn reaction. Polymer Chemistry, 2021, 12, 4934-4941.	3.9	4
25	Considerations of Noise and Measurement Reproducibility of Circular Dichroism Measurements Using Na[Co ^{III} (EDDS)]. Chirality, 2012, 24, 699-705.	2.6	3
26	A strained alkyne-containing bipyridine reagent; synthesis, reactivity and fluorescence properties. RSC Advances, 2019, 9, 36154-36161.	3.6	3
27	Transformation of aqueous protein attenuated total reflectance infra-red absorbance spectroscopy to transmission. QRB Discovery, 2020, 1 , .	1.6	3
28	Exploring the Potential of Molecular Spectroscopy for the Detection of Post-translational Modifications of a Stressed Biopharmaceutical Protein. Current Protein and Peptide Science, 2021, 22, 800-806.	1.4	1
29	SOMSpec as a General Purpose Validated Self-Organising Map Tool for Rapid Protein Secondary Structure Prediction From Infrared Absorbance Data. Frontiers in Chemistry, 2021, 9, 784625.	3.6	1