

# Nikola Chmel

## List of Publications by Year in descending order

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29  
papers

610  
citations

687363

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610901

24  
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33  
docs citations

33  
times ranked

923  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of the tetraalkoxysilane crosslinker on the properties of polysiloxane-based elastomers prepared by the Lewis acid-catalysed Piers-Rubinsztajn reaction. <i>Polymer Chemistry</i> , 2021, 12, 4934-4941.	3.9	4
2	Insight into the Mechanism of Action and Peptide-Membrane Interactions of Aib-Rich Peptides: Multitechnique Experimental and Theoretical Analysis. <i>ChemBioChem</i> , 2021, 22, 1656-1667.	2.6	11
3	Enhanced properties of well-defined polymer networks prepared by a sequential thiol-Michael - radical thiol-ene (STMRT) strategy. <i>European Polymer Journal</i> , 2021, 151, 110440.	5.4	5
4	Exploring the Potential of Molecular Spectroscopy for the Detection of Post-translational Modifications of a Stressed Biopharmaceutical Protein. <i>Current Protein and Peptide Science</i> , 2021, 22, 800-806.	1.4	1
5	SOMSpec as a General Purpose Validated Self-Organising Map Tool for Rapid Protein Secondary Structure Prediction From Infrared Absorbance Data. <i>Frontiers in Chemistry</i> , 2021, 9, 784625.	3.6	1
6	CD81 extracted in SMALP nanodiscs comprises two distinct protein populations within a lipid environment enriched with negatively charged headgroups. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183419.	2.6	16
7	Transformation of aqueous protein attenuated total reflectance infra-red absorbance spectroscopy to transmission. <i>QRB Discovery</i> , 2020, 1, .	1.6	3
8	A strained alkyne-containing bipyridine reagent; synthesis, reactivity and fluorescence properties. <i>RSC Advances</i> , 2019, 9, 36154-36161.	3.6	3
9	Hepatic VLDL secretion: DGAT1 determines particle size but not particle number, which can be supported entirely by DGAT2. <i>Journal of Lipid Research</i> , 2019, 60, 111-120.	4.2	16
10	Fluorescence detected linear dichroism spectroscopy: A selective and sensitive probe for fluorophores in flow-oriented systems. <i>Chirality</i> , 2018, 30, 227-237.	2.6	7
11	Fluorescence detected linear dichroism of small molecules oriented on polyethylene film. <i>Analyst, The</i> , 2018, 143, 5805-5811.	3.5	8
12	Spatial positioning of EB family proteins at microtubule tips involves distinct nucleotide-dependent binding properties. <i>Journal of Cell Science</i> , 2018, 132, .	2.0	44
13	Light scattering corrections to linear dichroism spectroscopy for liposomes in shear flow using calcein fluorescence and modified Rayleigh-Gans-Debye-Mie scattering. <i>Biophysical Reviews</i> , 2018, 10, 1385-1399.	3.2	6
14	Infrared absorbance spectroscopy of aqueous proteins: Comparison of transmission and ATR data collection and analysis for secondary structure fitting. <i>Chirality</i> , 2018, 30, 957-965.	2.6	18
15	Multifaceted Studies of the DNA Interactions and In Vitro Cytotoxicity of Anticancer Polyaromatic Platinum(II) Complexes. <i>Chemistry - A European Journal</i> , 2016, 22, 8943-8954.	3.3	21
16	Membrane protein extraction and purification using styrene-maleic acid (SMA) copolymer: effect of variations in polymer structure. <i>Biochemical Journal</i> , 2016, 473, 4349-4360.	3.7	109
17	Redox-active and DNA-binding coordination complexes of clotrimazole. <i>Dalton Transactions</i> , 2015, 44, 3673-3685.	3.3	23
18	Oxidized polyethylene films for orienting polar molecules for linear dichroism spectroscopy. <i>Analyst, The</i> , 2014, 139, 1372-1382.	3.5	20

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19	Spectroscopic signatures of an Fmoc-tetrapeptide, Fmoc and fluorene. RSC Advances, 2013, 3, 10854.	3.6	22
20	Calculations of flow-induced orientation distributions for analysis of linear dichroism spectroscopy. Soft Matter, 2013, 9, 4977.	2.7	15
21	Circular and Linear Dichroism Spectroscopy for the Study of Protein-Ligand Interactions. Methods in Molecular Biology, 2013, 1008, 211-241.	0.9	11
22	Jahn-Teller effects on $\pi$ -stacking and stereoselectivity in the phenylethaniminopyridine tris-chelates $\text{Cu}(\text{NN})_3^{2+}$ . Dalton Transactions, 2012, 41, 4477.	3.3	12
23	Considerations of Noise and Measurement Reproducibility of Circular Dichroism Measurements Using $\text{Na}[\text{Co}(\text{EDDS})_3]$ . Chirality, 2012, 24, 699-705.	2.6	3
24	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
25	Chiral Semiconductor Phases: The Optically Pure $\text{D}_3[\text{M}(\text{S,S-EDDS})_2]$ ( $\text{M} = \text{TTF, TSF}$ ) Family. Inorganic Chemistry, 2011, 50, 4039-4046.	4.0	6
26	Origins of stereoselectivity in optically pure phenylethaniminopyridine tris-chelates $\text{M}(\text{NN})_3^{n+}$ ( $\text{M} = \text{Co, Ni, Cu}$ ). Dalton Transactions, 2010, 39, 2919.	3.3	81
27	Organic-soluble optically pure anionic metal complexes $\text{PPh}_4[\text{M}(\text{S,S-EDDS})_2] \cdot 2\text{H}_2\text{O}$ ( $\text{M} = \text{Fe, Co, Cr}$ ). Dalton Transactions, 2010, 39, 2919.	3.3	15
28	Self-assembling optically pure $\text{Fe}(\text{A-B})_3$ chelates. Chemical Communications, 2009, , 1727.	4.1	82
29	Exploring the formation of 3D ferromagnetic cyano-bridged $\text{Cu}_{12+x}\{\text{Cu}_{14}[\text{W}(\text{CN})_8]_4\}_2 \cdot y\text{H}_2\text{O}$ networks. Journal of Materials Chemistry, 2007, 17, 3308.	6.7	34