

# Alexander V Mikhonin

## List of Publications by Year in descending order

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21  
papers

1,456  
citations

623734

14  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1476  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanogel Nanosecond Photonic Crystal Optical Switching. <i>Journal of the American Chemical Society</i> , 2004, 126, 1493-1496.	13.7	324
2	Peptide Secondary Structure Folding Reaction Coordinate: A Correlation between UV Raman Amide III Frequency, $\hat{\nu}$ Ramachandran Angle, and Hydrogen Bonding. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1928-1943.	2.6	172
3	UV Resonance Raman Thermal Unfolding Study of Trp-Cage Shows That It Is Not a Simple Two-State Miniprotein. <i>Journal of the American Chemical Society</i> , 2005, 127, 10943-10950.	13.7	144
4	UV Raman Demonstrates that $\hat{\nu}$ -Helical Polyalanine Peptides Melt to Polyproline II Conformations. <i>Journal of the American Chemical Society</i> , 2004, 126, 8433-8440.	13.7	135
5	Deep Ultraviolet Resonance Raman Excitation Enables Explosives Detection. <i>Applied Spectroscopy</i> , 2010, 64, 425-432.	2.2	124
6	UV Resonance Raman Determination of Polyproline II, Extended 2.51-Helix, and $\hat{\nu}$ -Sheet $\hat{\nu}$ Angle Energy Landscape in Poly-L-Lysine and Poly-L-Glutamic Acid. <i>Journal of the American Chemical Society</i> , 2005, 127, 7712-7720.	13.7	112
7	Assignments and Conformational Dependencies of the Amide III Peptide Backbone UV Resonance Raman Bands. <i>Journal of Physical Chemistry B</i> , 2004, 108, 19020-19028.	2.6	103
8	Photochemically Controlled Photonic Crystals. <i>Advanced Functional Materials</i> , 2003, 13, 774-780.	14.9	80
9	Uncoupled Peptide Bond Vibrations in $\hat{\nu}$ -Helical and Polyproline II Conformations of Polyalanine Peptides. <i>Journal of Physical Chemistry B</i> , 2005, 109, 3047-3052.	2.6	64
10	UV Resonance Raman Study of the Spatial Dependence of $\hat{\nu}$ -Helix Unfolding. <i>Journal of Physical Chemistry A</i> , 2002, 106, 3621-3624.	2.5	43
11	UV Resonance Raman Measurements of Poly-L-Lysine's Conformational Energy Landscapes: Dependence on Perchlorate Concentration and Temperature. <i>Journal of Physical Chemistry B</i> , 2007, 111, 7675-7680.	2.6	36
12	UV Raman Spatially Resolved Melting Dynamics of Isotopically Labeled Polyalanyl Peptide: Slow $\hat{\nu}$ -Helix Melting Follows 310-Helices and $\hat{\nu}$ -Bulges Premelting. <i>Journal of Physical Chemistry B</i> , 2007, 111, 3280-3292.	2.6	32
13	Rapid quantification of isomeric and dehalogenated impurities in pharmaceutical raw materials using MRR spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 189, 113474.	2.8	21
14	UV Raman Examination of $\hat{\nu}$ -Helical Peptide Water Hydrogen Bonding. <i>Journal of the American Chemical Society</i> , 2005, 127, 2840-2841.	13.7	20
15	Chiral analysis of pantolactone with molecular rotational resonance spectroscopy. <i>Chirality</i> , 2022, 34, 114-125.	2.6	17
16	A Gas Chromatography-Molecular Rotational Resonance Spectroscopy Based System of Singular Specificity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 192-196.	13.8	13
17	Enhancing Sensitivity for High-Selectivity Gas Chromatography-Molecular Rotational Resonance Spectroscopy. <i>Analytical Chemistry</i> , 2021, 93, 15525-15533.	6.5	6
18	A Gas Chromatography-Molecular Rotational Resonance Spectroscopy Based System of Singular Specificity. <i>Angewandte Chemie</i> , 2020, 132, 198-202.	2.0	5

#	ARTICLE	IF	CITATIONS
19	Direct Measurements of Small Polar Impurities in Gasoline Mixtures Using Molecular Rotational Resonance Spectroscopy. Applied Spectroscopy, 2019, 73, 000370281985901.	2.2	4
20	Photophysical properties of the extract of endometallofullerenes La@C <sub>2n</sub> in ortho-dichlorobenzene. Picosecond laser photolysis. Russian Chemical Bulletin, 1999, 48, 1897-1899.	1.5	1
21	Dynamics of photoexcited donor-acceptor complexes between C <sub>60</sub> and N,N-diethylaniline. Polarization picosecond spectroscopy study. Russian Chemical Bulletin, 1997, 46, 1531-1535.	1.5	0