

Jaroslav Sebestik

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

1,362
citations

361296

20
h-index

360920

35
g-index

89
all docs

89
docs citations

89
times ranked

1587
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Neutral and charged forms of inubosin B in aqueous solutions at different pH and on the surface of Ag nanoparticles. <i>Journal of Molecular Structure</i> , 2022, 1250, 131828. | 1.8 | 4 |
| 2 | Monitoring peptide tyrosine nitration by spectroscopic methods. <i>Amino Acids</i> , 2021, 53, 517-532. | 1.2 | 14 |
| 3 | Chiral detection by induced surface-enhanced Raman optical activity. <i>Chemical Communications</i> , 2021, 57, 6388-6391. | 2.2 | 13 |
| 4 | Discovery of Modified Amidate (ProTide) Prodrugs of Tenofovir with Enhanced Antiviral Properties. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 16425-16449. | 2.9 | 13 |
| 5 | Understanding CH-Stretching Raman Optical Activity in Ala-Ala Dipeptides. <i>Journal of Physical Chemistry A</i> , 2020, 124, 674-683. | 1.1 | 7 |
| 6 | Total synthesis of inubosin B. <i>Tetrahedron Letters</i> , 2020, 61, 152641. | 0.7 | 3 |
| 7 | Vibrational Optical Activity of Intermolecular, Overtone, and Combination Bands: 2-Chloropropionitrile and \pm -Pinene. <i>Journal of Physical Chemistry B</i> , 2019, 123, 2147-2156. | 1.2 | 23 |
| 8 | Binding of Lanthanide Complexes to Histidine-Containing Peptides Probed by Raman Optical Activity Spectroscopy. <i>Chemistry - A European Journal</i> , 2018, 24, 8664-8669. | 1.7 | 31 |
| 9 | Reactivity of 9-aminoacridine drug quinacrine with glutathione limits its antiprion activity. <i>Chemical Biology and Drug Design</i> , 2017, 89, 932-942. | 1.5 | 11 |
| 10 | Acridines Used for Staining. <i>Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques</i> , 2017, , 193-206. | 0.6 | 0 |
| 11 | Applications for Treatment of Neurodegenerative Diseases. <i>Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques</i> , 2017, , 99-134. | 0.6 | 5 |
| 12 | Syntheses. <i>Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques</i> , 2017, , 9-45. | 0.6 | 3 |
| 13 | Interactions of Acridines with Nucleic Acids. <i>Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques</i> , 2017, , 47-71. | 0.6 | 2 |
| 14 | Interactions with Proteins. <i>Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques</i> , 2017, , 73-97. | 0.6 | 1 |
| 15 | Some Application of Selective Toxicities of Acridines. <i>Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques</i> , 2017, , 135-163. | 0.6 | 0 |
| 16 | Pharmacokinetics and Metabolism of Acridine Drugs. <i>Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques</i> , 2017, , 165-186. | 0.6 | 0 |
| 17 | Quantitative Determination of Ala-Ala Conformer Ratios in Solution by Decomposition of Raman Optical Activity Spectra. <i>Journal of Physical Chemistry B</i> , 2017, 121, 8956-8964. | 1.2 | 17 |
| 18 | Biomedical Applications of Acridines. <i>Progress in Drug Research Fortschritte Der Arzneimittelforschung Progres Des Recherches Pharmaceutiques</i> , 2017, , . | 0.6 | 12 |

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|----|--|-----|-----------|
| 19 | Diamagnetic Raman Optical Activity of Chlorine, Bromine, and Iodine Gases. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3504-3508. | 7.2 | 16 |
| 20 | Resolving Electronic Transitions in Synthetic Fluorescent Protein Chromophores by Magnetic Circular Dichroism. <i>ChemPhysChem</i> , 2016, 17, 2348-2354. | 1.0 | 5 |
| 21 | Intense chirality induction in nitrile solvents by a helquat dye monitored by near resonance Raman scattering. <i>Chemical Communications</i> , 2016, 52, 6257-6260. | 2.2 | 27 |
| 22 | Diamagnetic Raman Optical Activity of Chlorine, Bromine, and Iodine Gases. <i>Angewandte Chemie</i> , 2016, 128, 3565-3569. | 1.6 | 7 |
| 23 | Rapid acidolysis of benzyl group as a suitable approach for syntheses of peptides naturally produced by oxidative stress and containing 3-nitrotyrosine. <i>Amino Acids</i> , 2016, 48, 1087-1098. | 1.2 | 4 |
| 24 | Magnetic circular dichroism of chlorofullerenes: Experimental and computational study. <i>Chemical Physics Letters</i> , 2016, 647, 117-121. | 1.2 | 9 |
| 25 | Observation of Paramagnetic Raman Optical Activity of Nitrogen Dioxide. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9236-9239. | 7.2 | 19 |
| 26 | Quinacrine reactivity with prion proteins and prion-derived peptides. <i>Amino Acids</i> , 2013, 44, 1279-1292. | 1.2 | 12 |
| 27 | Glutamate carboxypeptidase II does not process amyloid β peptide. <i>FASEB Journal</i> , 2013, 27, 2626-2632. | 0.2 | 4 |
| 28 | Resolution of Organic Polymorphic Crystals by Raman Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7297-7307. | 1.2 | 25 |
| 29 | Nonplanar Tertiary Amides in Rigid Chiral Tricyclic Dilactams. Peptide Group Distortions and Vibrational Optical Activity. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9626-9642. | 1.2 | 7 |
| 30 | Ramachandran Plot for Alanine Dipeptide as Determined from Raman Optical Activity. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2763-2768. | 2.1 | 55 |
| 31 | Dendrimers and Bacteria. , 2012, , 149-159. | | 0 |
| 32 | Dendrimers in Catalysis. , 2012, , 99-102. | | 1 |
| 33 | Ferric Complexes of 3-Hydroxy-4-pyridinones Characterized by Density Functional Theory and Raman and UV-vis Spectroscopies. <i>Inorganic Chemistry</i> , 2012, 51, 4473-4481. | 1.9 | 23 |
| 34 | Comparative syntheses of peptides and peptide thioesters derived from mouse and human prion proteins. <i>Amino Acids</i> , 2012, 43, 1297-1309. | 1.2 | 3 |
| 35 | Theoretical Modeling of the Surface-Enhanced Raman Optical Activity. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 1714-1720. | 2.3 | 37 |
| 36 | Dendrimers in Gene Delivery. , 2012, , 141-147. | | 3 |

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|----|---|-----|-----------|
| 37 | Dendrimers in Drug Delivery. , 2012, , 131-140. | | 2 |
| 38 | Determining the Absolute Configuration of Two Marine Compounds Using Vibrational Chiroptical Spectroscopy. Journal of Organic Chemistry, 2012, 77, 858-869. | 1.7 | 71 |
| 39 | Three Types of Induced Tryptophan Optical Activity Compared in Model Dipeptides: Theory and Experiment. ChemPhysChem, 2012, 13, 2748-2760. | 1.0 | 18 |
| 40 | Biomedical Applications of Peptide-, Glyco- and Glycopeptide Dendrimers, and Analogous Dendrimeric Structures. , 2012, , . | | 17 |
| 41 | Dendrimers in Neurodegenerative Diseases. , 2012, , 209-221. | | 3 |
| 42 | Synthesis of Dendrimers: Convergent and Divergent Approaches. , 2012, , 55-81. | | 5 |
| 43 | Dendrimeric Libraries. , 2012, , 93-98. | | 1 |
| 44 | Dendrimers in Nanoscience and Nanotechnology. , 2012, , 115-129. | | 1 |
| 45 | The Dendritic State and Dendritic Effects. , 2012, , 45-54. | | 0 |
| 46 | Dendrimers and Solubility. , 2012, , 105-109. | | 0 |
| 47 | Classes of Peptide-, Glyco-, and Glycopeptide Dendrimers. , 2012, , 29-44. | | 1 |
| 48 | Dendrimers and Parasites. , 2012, , 171-173. | | 0 |
| 49 | Definition of Terms and Nomenclature. , 2012, , 9-22. | | 0 |
| 50 | Purification and Characterization of Dendrimers. , 2012, , 83-92. | | 2 |
| 51 | Vaccines and Immunomodulation. , 2012, , 199-207. | | 1 |
| 52 | Raman Optical Activity of Methyloxirane Gas and Liquid. Journal of Physical Chemistry Letters, 2011, 2, 498-502. | 2.1 | 75 |
| 53 | Bifunctional phenolic-choline conjugates as anti-oxidants and acetylcholinesterase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2011, 26, 485-497. | 2.5 | 38 |
| 54 | Peptide and glycopeptide dendrimers and analogous dendrimeric structures and their biomedical applications. Amino Acids, 2011, 40, 301-370. | 1.2 | 98 |

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|----|--|-----|-----------|
| 55 | Dependence of the Reactivity of Acridine on Its Substituents: A Computational and Kinetic Study. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 6989-6997. | 1.2 | 5 |
| 56 | Reaction of prion protein with quinacrine. , 2011, , . | | 0 |
| 57 | Synthetic scan of C-domain from prion proteins. , 2011, , . | | 0 |
| 58 | New tripodal hydroxypyridinone based chelating agents for Fe(III), Al(III) and Ga(III): Synthesis, physico-chemical properties and bioevaluation. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 262-273. | 1.5 | 50 |
| 59 | α -Alanyl- α -alanine Conformational Changes Induced by pH As Monitored by the Raman Optical Activity Spectra. <i>Journal of Physical Chemistry A</i> , 2009, 113, 7760-7768. | 1.1 | 29 |
| 60 | Glycopeptide dendrimers, Part III – a review: Use of glycopeptide dendrimers in immunotherapy and diagnosis of cancer and viral diseases. <i>Journal of Peptide Science</i> , 2008, 14, 556-587. | 0.8 | 68 |
| 61 | Glycopeptide dendrimers. Part I. <i>Journal of Peptide Science</i> , 2008, 14, 2-43. | 0.8 | 64 |
| 62 | Glycopeptide dendrimers. Part II. <i>Journal of Peptide Science</i> , 2008, 14, 44-65. | 0.8 | 55 |
| 63 | Molecular dynamics simulation of chiral chromatography. <i>Chemical Physics Letters</i> , 2008, 451, 233-236. | 1.2 | 1 |
| 64 | Conformational Properties of the Pro-Gly Motif in the α -Ala- α -Pro-Gly- α -Ala Model Peptide Explored by a Statistical Analysis of the NMR, Raman, and Raman Optical Activity Spectra. <i>Journal of Organic Chemistry</i> , 2008, 73, 1481-1489. | 1.7 | 28 |
| 65 | Dependence of the α -Alanyl- α -Alanine Conformation on Molecular Charge Determined from Ab Initio Computations and NMR Spectra. <i>Journal of Physical Chemistry B</i> , 2008, 112, 1796-1805. | 1.2 | 22 |
| 66 | A Role of the 9-Aminoacridines and their Conjugates in a Life Science. <i>Current Protein and Peptide Science</i> , 2007, 8, 471-483. | 0.7 | 44 |
| 67 | Interpretation of Synchrotron Radiation Circular Dichroism Spectra of Anionic, Cationic, and Zwitterionic Dialanine Forms. <i>Journal of Physical Chemistry A</i> , 2007, 111, 2750-2760. | 1.1 | 33 |
| 68 | In-source reduction of the azo group during matrix-assisted laser desorption/ionization time-of-flight mass spectrometry experiments. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 817-818. | 0.7 | 3 |
| 69 | New peptide conjugates with 9-aminoacridine: synthesis and binding to DNA. <i>Journal of Peptide Science</i> , 2006, 12, 472-480. | 0.8 | 19 |
| 70 | Synthesis of protected peptides from the human IgG1 hinge region on PEG support using disulfide bond synthons and alkaline or enzymatic detachment. <i>Tetrahedron Letters</i> , 2006, 47, 1023-1025. | 0.7 | 4 |
| 71 | Rational design and synthesis of a double-stranded DNA – binder library. <i>Biopolymers</i> , 2006, 84, 400-407. | 1.2 | 4 |
| 72 | Acridin-9-yl exchange: A proposal for the action of some 9-aminoacridine drugs. <i>Biopolymers</i> , 2006, 84, 605-614. | 1.2 | 11 |

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|----|---|-----|-----------|
| 73 | Electrophoresis of Derivatized Polyethylene Glycols: A Useful Method for Monitoring of Reactions on Soluble Polymeric Carrier. <i>International Journal of Peptide Research and Therapeutics</i> , 2005, 11, 291-296. | 0.9 | 1 |
| 74 | Peptide dendrimers. <i>Journal of Peptide Science</i> , 2005, 11, 757-788. | 0.8 | 110 |
| 75 | Molecular Recognition of Cyclic-Nucleotides and Current Sensors for Their Detection. <i>Current Protein and Peptide Science</i> , 2005, 6, 133-142. | 0.7 | 4 |
| 76 | A Complete Set of NMR Chemical Shifts and Spin-Spin Coupling Constants for L-Alanyl-L-alanine Zwitterion and Analysis of Its Conformational Behavior. <i>Journal of the American Chemical Society</i> , 2005, 127, 17079-17089. | 6.6 | 38 |
| 77 | Solid-phase synthesis of head and tail bis-acridinylated peptides. <i>Tetrahedron Letters</i> , 2004, 45, 1203-1205. | 0.7 | 13 |
| 78 | Photochemical synthesis of pink silver and its use for monitoring peptide nitration via surface enhanced Raman spectroscopy (SERS). <i>Amino Acids</i> , 0, , . | 1.2 | 1 |