

# Nikolas Ploutarch Benetis

## List of Publications by Year in descending order

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15  
papers

247  
citations

1040056

9  
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docs citations

15  
times ranked

134  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Resolution EPR and Quantum Effects on CH <sub>3</sub> , CH <sub>2</sub> D, CHD <sub>2</sub> , and CD <sub>3</sub> Radicals under Argon Matrix Isolation Conditions. <i>Journal of Physical Chemistry A</i> , 1999, 103, 4823-4829.	2.5	53
2	Market of High Purity Quartz Innovative Applications. <i>Procedia Economics and Finance</i> , 2015, 24, 734-742.	0.6	43
3	Association Forms of NO in Sodium Ion-Exchanged A-Type Zeolite: A Temperature-Dependent Q-Band EPR Spectra. <i>Journal of Physical Chemistry A</i> , 2000, 104, 7950-7956.	2.5	33
4	Effect of Isotopic Substitution on the Electron Spin Dynamics of the CH <sub>3</sub> Ā(COOH) <sub>2</sub> Radical in X-Irradiated Methyl Malonic Acid Powder: Intrinsic Potentials and Activation Energies. <i>Journal of Physical Chemistry A</i> , 1997, 101, 8987-8994.	2.5	20
5	Inertial rotation and matrix interaction effects on the EPR spectra of methyl radicals isolated in "inert" cryogenic matrices. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 103201.	1.8	16
6	EPR Line-shape Anisotropy and Hyperfine Shift of Methyl Radicals in Solid Ne, Ar, Kr, and H <sub>2</sub> Gas Matrices. <i>Journal of Physical Chemistry A</i> , 2010, 114, 10732-10741.	2.5	16
7	Anomalous EPR Intensity Distribution of the Methyl Radical Quartet Adsorbed on the Surface of Porous Materials. Comparison with Solid Gas Matrix Isolation. <i>Journal of Physical Chemistry A</i> , 2013, 117, 4233-4250.	2.5	14
8	ESR line shapes and methyl rotation in the acetic acid anion radical. <i>Chemical Physics</i> , 1992, 168, 91-98.	1.9	12
9	Intramolecular and reorientation dynamics of bis(triphenylphosphine)-3,6-di-tert-butyl-4,5-dimethoxy-o-semiquinone complex of copper(I) in viscous media. <i>Chemical Physics Letters</i> , 1996, 255, 156-162.	2.6	11
10	Rotation of deuterated methylene groups in the diffusional regime. Isotope effect of anisotropic $\pm$ -deuterons on ESR lineshapes of "CD <sub>2</sub> -COO" radical in irradiated ZnAC dihydrate single crystal. <i>Chemical Physics Letters</i> , 1994, 218, 551-556.	2.6	8
11	Extension of the accessible dynamical range of reorganization in ESEEM simulations of single crystals. <i>Chemical Physics Letters</i> , 1995, 244, 321-330.	2.6	7
12	Quantum Impurity Rotator in a Matrix of Quantum Rotors: Electron Paramagnetic Resonance Dynamics of CH <sub>3</sub> in Solid CD <sub>4</sub> Matrix. <i>Journal of Physical Chemistry A</i> , 2018, 122, 9483-9491.	2.5	7
13	Non-secular simulation of frequency domain two-pulse powder ESEEM signals in multinuclear systems. <i>Chemical Physics</i> , 1995, 200, 107-118.	1.9	4
14	Low-temperature tunneling of CH <sub>3</sub> quantum rotor in van der Waals solids. <i>Low Temperature Physics</i> , 2019, 45, 427-440.	0.6	2
15	H/D isotope effect observed in the isotropic Fermi contact interaction of formyl radical: Experimental and theoretical analysis of the inter- and intra-molecular dynamics. <i>AIP Advances</i> , 2020, 10, .	1.3	1