

MichaÅ, F Rode

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Chemical Substituents on the Energetical Landscape of a Molecular Photoswitch: An Ab Initio Study. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11879-11889.	1.1	86
2	Ab initio study of the O ₂ binding in dicopper complexes. <i>Theoretical Chemistry Accounts</i> , 2005, 114, 309-317.	0.5	76
3	A Computational Study on the Mechanism of Intramolecular Oxo ^π -Hydroxy Phototautomerism Driven by Repulsive $\pi\pi^*$ State. <i>Journal of Physical Chemistry A</i> , 2008, 112, 13655-13661.	1.1	70
4	The importance of high-order correlation effects for the CO ^π -CO interaction potential. <i>Chemical Physics Letters</i> , 1999, 314, 326-332.	1.2	60
5	A Bistable Molecular Switch Driven by Photoinduced Hydrogen-Atom Transfer. <i>ChemPhysChem</i> , 2009, 10, 2290-2295.	1.0	53
6	Suppression of Angular Forces in Collisions of Non-S-State Transition Metal Atoms. <i>Physical Review Letters</i> , 2005, 94, 013202.	2.9	51
7	Switching the Conductance of a Single Molecule by Photoinduced Hydrogen Transfer. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10315-10318.	1.5	51
8	Excited-State Intramolecular Proton Transfer: Photoswitching in Salicylidene Methylamine Derivatives. <i>ChemPhysChem</i> , 2014, 15, 1643-1652.	1.0	49
9	Photophysics of Schiff Bases: Theoretical Study of Salicylidene Methylamine. <i>ChemPhysChem</i> , 2012, 13, 4287-4294.	1.0	45
10	Photophysics of inter- and intra-molecularly hydrogen-bonded systems: Computational studies on the pyrrole ^π -pyridine complex and 2(2 ^π -pyridyl)pyrrole. <i>Chemical Physics</i> , 2008, 347, 413-421.	0.9	40
11	Computational Study on the Photophysics of Protonated Benzene. <i>Journal of Physical Chemistry A</i> , 2009, 113, 5865-5873.	1.1	38
12	7-Hydroxyquinoline-8-carbaldehydes. 1. Ground- and Excited-State Long-Range Prototropic Tautomerization. <i>Journal of Physical Chemistry A</i> , 2013, 117, 9127-9146.	1.1	31
13	Ultrafast dynamics of the ESIPT photoswitch <i>N</i> -(3-pyridinyl)-2-pyridinecarboxamide. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 2646-2655.	1.3	29
14	Excited state intramolecular proton transfer in hydroxyanthraquinones: Toward predicting fading of organic red colorants in art. <i>Science Advances</i> , 2019, 5, eaaw5227.	4.7	26
15	Photophysical properties of betaxanthins: miraxanthin ^π insight into the excited-state deactivation mechanism from experiment and computations. <i>RSC Advances</i> , 2017, 7, 6411-6421.	1.7	23
16	Reply to the Comment on "The importance of high-order correlation effects for the CO ^π -CO interaction potential" [Chem. Phys. Lett. 314 (1999) 326]. <i>Chemical Physics Letters</i> , 2001, 334, 424-425.	1.2	22
17	Interactions of transition metal atoms with He. <i>European Physical Journal D</i> , 2004, 31, 429-437.	0.6	21
18	Effect of chemical substitutions on photo-switching properties of 3-hydroxy-picolinic acid studied by <i>ab initio</i> methods. <i>Journal of Chemical Physics</i> , 2014, 140, 084301.	1.2	19

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19	Photochromic reaction in 3 <i>H</i> -naphthopyrans studied by vibrational spectroscopy and quantum chemical calculations. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 11861-11870.	1.3	17
20	Control of the Photo-Isomerization Mechanism in 3H-Naphthopyrans to Prevent Formation of Unwanted Long-Lived Photoproducts. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7825.	1.8	16
21	Ab initio study on the excited state proton transfer mediated photophysics of 3-hydroxy-picolinic acid. <i>Chemical Physics</i> , 2012, 409, 41-48.	0.9	15
22	Electronic Spectra and Reversible Photoisomerization of Protonated Naphthalenes in Solid Neon. <i>Journal of Physical Chemistry A</i> , 2013, 117, 351-360.	1.1	15
23	The (H ₂ O) ₂ CO ternary complex: cyclic or linear?. <i>Chemical Physics Letters</i> , 2001, 342, 220-230.	1.2	14
24	Photophysics of indole-2-carboxylic acid in an aqueous environment studied by fluorescence spectroscopy in combination with ab initio calculations. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2078.	1.3	12
25	Direct Arylation of Dipyrrolonaphthyridinediones Leads to Red-Emitting Dyes with Conformational Freedom. <i>Chemistry - A European Journal</i> , 2018, 24, 855-864.	1.7	12
26	Ultrafast Dynamics of the Transoid- <i>cis</i> Isomer Formed in Photochromic Reaction from 3 <i>H</i> -Naphthopyran. <i>ChemPhysChem</i> , 2020, 21, 1402-1407.	1.0	12
27	7-Hydroxyquinoline-8-carbaldehydes. 2. Prototropic Equilibria. <i>Journal of Physical Chemistry A</i> , 2013, 117, 9147-9155.	1.1	11
28	Ab initio calculations of nonadditive effects in the trimers (H ₂ O) ₂ -XY, XY=N ₂ , BF, CS. <i>Chemical Physics Letters</i> , 2002, 358, 237-249.	1.2	10
29	The nonadditive effects in the mixed trimers composed of the water dimer and diatomics H ₂ , HF, HCl, HBr, and ClF. <i>Chemical Physics Letters</i> , 2003, 368, 754-768.	1.2	9
30	Photochemistry of the water dimer: Time-dependent quantum wave-packet description of the dynamics at the S ₁ -S ₀ conical intersection. <i>Journal of Chemical Physics</i> , 2009, 131, 134307.	1.2	9
31	Structure- <i>chiroptical</i> properties relationship of cisoid enones with an $\hat{\pm}$ -methylenecyclopentanone unit. <i>RSC Advances</i> , 2014, 4, 43977-43993.	1.7	9
32	Synthesis, photophysics and excited state structure of 1,8-di(<i>p</i> -tolyl)-1,3,5,7-octatetrayne. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 217, 299-307.	2.0	7
33	Multipeak negative differential resistance from interplay between nonlinear stark effect and double-branch current flow. <i>RSC Advances</i> , 2014, 4, 52933-52939.	1.7	7
34	Ferroelectric molecular field-switch based on double proton transfer process: Static and dynamical simulations. <i>Journal of Chemical Physics</i> , 2016, 144, 134303.	1.2	7
35	Cisoid- <i>cis</i> intermediate plays a crucial role in decolouration rate in photochromic reaction of 8H-pyranoquinazolines and 3H-naphthopyrans. <i>Dyes and Pigments</i> , 2022, 201, 110249.	2.0	6
36	Mechanistic insights into photochromic 3H-naphthopyran showing strong photocolouration. <i>Scientific Reports</i> , 2022, 12, .	1.6	6

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37	The effect of electron detachment on the structure and properties of the chlorine-acetonitrile anionic complex. <i>Journal of Chemical Physics</i> , 2004, 121, 6277-6281.	1.2	3
38	Photochemical and thermal isomerizations of C _{2h} and C _{2v} forms of para-benzoquinone dioxime: A matrix-isolation study. <i>Journal of Molecular Structure</i> , 2010, 976, 181-189.	1.8	3
39	Contacts for organic switches with carbon-nanotube leads. <i>Nanotechnology</i> , 2015, 26, 245201.	1.3	3
40	Structural studies on the stereoisomerism of a natural dye miraxanthin I. <i>New Journal of Chemistry</i> , 2019, 43, 18165-18174.	1.4	2
41	Ultrafast Dynamics of a Bistable Intramolecular Proton Transfer Switch. <i>Springer Proceedings in Physics</i> , 2015, , 399-402.	0.1	1
42	Publisher's Note: Suppression of Angular Forces in Collisions of Non-S-State Transition Metal Atoms [Phys. Rev. Lett.94, 013202 (2005)]. <i>Physical Review Letters</i> , 2005, 94, .	2.9	0
43	Ultrafast Dynamics of a Bistable Intramolecular Proton Transfer Switch. , 2014, , .		0