Mihajlo Etinski

List of Publications by Year
in descending order

56	1,121	567247 15	414395 32
papers	citations	h-index	g-index

57	57	57	1180
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Proton leap: shuttling of protons onto benzonitrile. Physical Chemistry Chemical Physics, 2022, 24, 3958-3969.	2.8	3
2	High Al-ion storage of vine shoots-derived activated carbon: New concept for affordable and sustainable supercapacitors. Journal of Power Sources, 2022, 538, 231561.	7.8	9
3	On the propensity of formation of cyclobutane dimers in face-to-face and face-to-back uracil stacks in solution. Physical Chemistry Chemical Physics, 2022, 24, 14836-14845.	2.8	1
4	The significance of the metal cation in guanine-quartet â€“ metalloporphyrin complexes. Physical Chemistry Chemical Physics, 2021, 23, 574-584.	2.8	7
5	Polyaniline as a charge storage material in an aqueous aluminum-based electrolyte: Can aluminum ions play the role of protons?. Journal of Power Sources, 2021, 482, 228937.	7.8	23
6	Simulation of UV absorption spectra and relaxation dynamics of uracil and uracilâ€“water clusters. Physical Chemistry Chemical Physics, 2021, 23, 2594-2604.	2.8	17
7	Self-assembly of rylene-decorated guanine ribbons on graphene surface for optoelectronic applications: a theoretical study. Nanotechnology, 2021, 32, 435405.	2.6	2
8	Water-Mediated Interactions Enhance Alkaline Earth Cation Chelation in Neighboring Cavities of a Cytosine Quartet in the DNA Quadruplex. Journal of Physical Chemistry B, 2021, 125, 11996-12005.	2.6	2
9	Alkaline Earth Cations Binding Mode Tailors Excited-State Charge Transfer Properties of Guanine Quadruplex: A TDDFT Study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, , 120584.	3.9	0
10	A DFT study of structure and electrochemical properties of diiron-hydrogenase models with benzenedithiolato and benzenediselenato ligands. New Journal of Chemistry, 2020, 44, 932-941.	2.8	6
11	Modulating Excited Charge-Transfer States of G-Quartet Self-Assemblies by Earth Alkaline Cations and Hydration. Journal of Physical Chemistry A, 2020, 124, 8101-8111.	2.5	4
12	Unraveling the mechanism of biomimetic hydrogen fuel production â€“ a first principles molecular dynamics study. Physical Chemistry Chemical Physics, 2020, 22, 10447-10454.	2.8	5
13	Intriguing Intermolecular Interplay in Guanine Quartet Complexes with Alkali and Alkaline Earth Cations. Journal of Physical Chemistry B, 2020, 124, 3002-3014.	2.6	11
14	Properties of the excited electronic states of guanine quartet complexes with alkali metal cations. Journal of the Serbian Chemical Society, 2020, 85, 1021-1032.	0.8	4
15	New hybrid cluster-continuum model for pKa values calculations: Case study of neurotransmittersâ€™ amino group acidity. Chemical Physics, 2019, 516, 55-62.	1.9	7
16	Influence of the electron donor properties of hypericin on its sensitizing ability in DSSCs. Photochemical and Photobiological Sciences, 2019, 18, 2023-2030.	2.9	3
17	Elucidating Solvent Effects on Strong Intramolecular Hydrogen Bond: DFTâ€MD Study of Dibenzoylmethane in Methanol Solution. ChemPhysChem, 2019, 20, 2852-2859.	2.1	2
18	A simulation of free radicals induced oxidation of dopamine in aqueous solution. Chemical Physics, 2019, 524, 26-30.	1.9	2

#	Article	IF	Citations
19	The UVA response of enolic dibenzoylmethane: beyond the static approach. Photochemical and Photobiological Sciences, 2019, 18, 1324-1332.	2.9	9
20	Theoretical scrutinization of nine benzoic acid dimers: Stability and energy decomposition analysis. International Journal of Quantum Chemistry, 2019, 119, e25918.	2.0	7
21	Hydrogen transfer reaction: Bond formation and bond cleavage through the eyes of interacting quantum atoms. Journal of the Serbian Chemical Society, 2019, 84, 891-900.	0.8	3
22	New Insight into Uracil Stacking in Water from ab Initio Molecular Dynamics. Journal of Chemical Theory and Computation, 2018, 14, 2621-2632.	5.3	12
23	When hydroquinone meets methoxy radical: Hydrogen abstraction reaction from the viewpoint of interacting quantum atoms. Journal of Computational Chemistry, 2018, 39, 1868-1877.	3.3	7
24	Puzzle of the Intramolecular Hydrogen Bond of Dibenzoylmethane Resolved by Molecular Dynamics Simulations. Journal of Physical Chemistry A, 2018, 122, 5945-5954.	2.5	12
25	Exciton energy transfer in organic light emitting diodes with thermally activated delayed fluorescence dopants. Journal of Materials Chemistry C, 2018, 6, 6860-6868.	5.5	12
26	A theoretical study of low-lying singlet and triplet excited states of quinazoline, quinoxaline and phthalazine: insight into triplet formation. Physical Chemistry Chemical Physics, 2017, 19, 13828-13837.	2.8	9
27	Quantum chemical study on phenethylamines reveals new cation structures. Computational and Theoretical Chemistry, 2017, 1114, 47-54.	2.5	4
28	Using Density Functional Theory To Study Neutral and Ionized Stacked Thymine Dimers. Journal of Physical Chemistry A, 2016, 120, 7704-7713.	2.5	7
29	A new insight into the photochemistry of avobenzone in gas phase and acetonitrile from ab initio calculations. Physical Chemistry Chemical Physics, 2016, 18, 22168-22178.	2.8	20
30	A quantum-chemical study of the chlorophyll phosphorescence spectrum: Electron-vibrational coupling and coordination effects. Chemical Physics Letters, 2016, 647, 139-144.	2.6	3
31	Stability and Anharmonic Nâ€“H Stretching Frequencies of 1-Methylthymine Dimers: Hydrogen Bonding versus Iâ€-Stacking. Journal of Physical Chemistry A, 2016, 120, 1536-1544.	2.5	10
32	Unrevealing mechanism of the thermal tautomerization of avobenzone by means of quantum chemical computations. Journal of the Serbian Chemical Society, 2016, 81, 1393-1406.	0.8	5
33	Intersystem crossing rates of S1 state keto-amino cytosine at low excess energy. Journal of Chemical Physics, 2015, 143, 234301.	3.0	30
34	Electronâ€“Vibrational Coupling and Fluorescence Spectra of Tetra-, Penta-, and Hexacoordinated Chlorophylls c₁ and c₂. Journal of Physical Chemistry B, 2015, 119, 10156-10169.	2.6	9
35	Time-dependent approach to spin-vibronic coupling: Implementation and assessment. Journal of Chemical Physics, 2014, 140, 114104.	3.0	81
36	Thermal and solvent effects on the triplet formation in cinnoline. Physical Chemistry Chemical Physics, 2014, 16, 4740.	2.8	61

#	Article	IF	Citations
37	Intramolecular OHO bonding in dibenzoylmethane: symmetry and spectral manifestations. RSC Advances, 2014, 4, 38517-38526.	3.6	15
38	Reverse Intersystem Crossing in Rhodamines by Near-Infrared Laser Excitation. Journal of Physical Chemistry A, 2014, 118, 6985-6990.	2.5	11
39	Photophysics of Xanthone: A Quantum Chemical Perusal. Journal of Physical Chemistry A, 2013, 117, 3935-3944.	2.5	34
40	A study of the low-lying singlet and triplet electronic states of chlorophyll A and B. Journal of the Serbian Chemical Society, 2013, 78, 1775-1787.	0.8	9
41	Effect of temperature on rate of the spin-forbidden transition in uracil and thymine. Journal of the Serbian Chemical Society, 2013, 78, 65-73.	0.8	4
42	Ultrafast Deactivation Mechanism of the Excited Singlet in the Lightâ€induced Spin Crossover of [Fe(2,2â€²â€bipyridine)₃]²⁺. Chemistry - A European Journal, 2013, 19, 17541-17551.	3.3	145
43	Investigation of structure and vibrational properties of cyclobutane pirimidine dimer. Hemijska Industrija, 2013, 67, 203-207.	0.7	1
44	Quantum-chemical investigation of the 1-methylthymine dimer photoproduct: Pyrimidine-(6-4)-pyrimidone adduct. Journal of the Serbian Chemical Society, 2012, 77, 1037-1045.	0.8	1
45	In search of the dark state of 5-methyl-2-hydroxypyrimidine using a numerical DFT/MRCI gradient. Molecular Physics, 2012, 110, 2429-2438.	1.7	6
46	Investigation of the spin-forbidden process in thymine. Hemijska Industrija, 2012, 66, 165-170.	0.7	0
47	Time-dependent approaches for the calculation of intersystem crossing rates. Journal of Chemical Physics, 2011, 134, 154105.	3.0	151
48	The role of Duschinsky rotation in intersystem crossing: A case study of uracil. Journal of the Serbian Chemical Society, 2011, 76, 1649-1660.	0.8	8
49	Ab initio investigation of the methylation and hydration effects on the electronic spectra of uracil and thymine. Physical Chemistry Chemical Physics, 2010, 12, 4915.	2.8	51
50	Overruling the energy gap law: fast triplet formation in 6-azauracil. Physical Chemistry Chemical Physics, 2010, 12, 15665.	2.8	34
51	Intersystem Crossing and Characterization of Dark States in the Pyrimidine Nucleobases Uracil, Thymine, and 1-Methylthymine. Journal of Physical Chemistry A, 2009, 113, 11809-11816.	2.5	104
52	Theoretical Investigation of the Excited States of 2â€Nitrobenzyl and 4,5â€Methylendioxyâ€2â€nitrobenzyl Caging Groups^{â€}. Photochemistry and Photobiology, 2009, 85, 1075-1081.	2.5	22
53	Electronic and Vibrational Spectroscopy of 1â€Methylthymine and its Water Clusters: The Dark State Survives Hydration. ChemPhysChem, 2008, 9, 1570-1577.	2.1	35
54	Pulse-train control of branching processes: Elimination of background and intruder state population. Journal of Chemical Physics, 2008, 129, 234305.	3.0	7

#	Article	IF	Citations
55	Counterdiabatic suppression of background state population in resonance leaking by controlling intermediate branching. Journal of Chemical Physics, 2006, 124, 124110.	3.0	5
56	A Theoretical Investigation of the Geometries and Binding Energies of Molecular Tweezer and Clip Hostâ˜'Guest Systems. Journal of Chemical Theory and Computation, 2005, 1, 1110-1118.	5.3	62