

# E Jp Malar

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	New Nonlinear Optical Crystal of Rhodamine 590 Acid Phthalate. ACS Omega, 2020, 5, 20863-20873.	3.5	4
2	DFT studies on the structure and stability of tetraaza macrocyclic nickel(II) complexes containing dicarbinolamine ligand moiety. Journal of Chemical Sciences, 2019, 131, 1.	1.5	3
3	Hydrogen bonded dimers of ketocoumarin in the solid state and alcohol:water binary solvent: fluorescence spectroscopy, crystal structure and DFT investigation. New Journal of Chemistry, 2019, 43, 9090-9105.	2.8	8
4	<sc>l</sc>-Alanine capping of ZnO nanorods: increased carrier concentration in ZnO/CuI heterojunction diode. RSC Advances, 2018, 8, 5350-5361.	3.6	37
5	Structural Stability in Dimer and Tetramer Clusters of <sc>l</sc>-Alanine in the Gas Phase and the Feasibility of Peptide Bond Formation. Journal of Physical Chemistry B, 2018, 122, 6462-6470.	2.6	17
6	Study of behaviour of Ni(III) macrocyclic complexes in acidic aqueous medium through kinetic measurement involving hydrogen peroxide oxidation and DFT calculations. Journal of Chemical Sciences, 2017, 129, 193-202.	1.5	2
7	Kinetic measurements and quantum chemical calculations on low spin Ni(II)/(III) macrocyclic complexes in aqueous and sulphato medium. Journal of Chemical Sciences, 2015, 127, 1287-1298.	1.5	4
8	Adsorption of Enantiomers on Metal Surfaces: Application to D- and L-Alanine on Cu, Ni and Zn Electrodes. Journal of the Electrochemical Society, 2013, 160, G102-G110.	2.9	2
9	Existence of a New Emitting Singlet State of Proflavine: Femtosecond Dynamics of the Excited State Processes and Quantum Chemical Studies in Different Solvents. Journal of Physical Chemistry A, 2012, 116, 37-45.	2.5	26
10	Synthesis and characterization of NADH model compound modified $\beta$ -cyclodextrin and its role as an energy donor in FRET. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 229, 60-68.	3.9	7
11	Highly selective, sensitive and quantitative detection of Hg <sup>2+</sup> in aqueous medium under broad pH range. Chemical Communications, 2011, 47, 7695.	4.1	53
12	Unprecedented formation of an N-benzamidobisthiourea derivative and its role in the formation of a new CT state specific towards fluoride ion. Chemical Communications, 2010, 46, 3268.	4.1	26
13	Lipid-Induced Conformational Transition of Amyloid $\beta$ Peptide Fragments. Journal of Molecular Neuroscience, 2010, 41, 368-382.	2.3	14
14	Photophysical Studies on the Interaction of Acridinedione Dyes with Universal Protein Denaturant: Guanidine Hydrochloride. Journal of Fluorescence, 2010, 20, 993-1002.	2.5	22
15	Acridinedione-functionalized gold nanoparticles and model for the binding of 1,3-dithiol linked acridinedione on gold clusters. Tetrahedron Letters, 2010, 51, 5680-5685.	1.4	11
16	Density functional theory analysis and spectral studies on amyloid peptide $\beta$ (28-35) and its mutants A30G and A30I. Journal of Structural Biology, 2010, 170, 439-450.	2.8	5
17	Preparation, physicochemical characterization, and oral immunogenicity of $\beta$ (1-12), $\beta$ (29-40), and $\beta$ (1-42) loaded PLG microparticles formulations. Journal of Pharmaceutical Sciences, 2009, 98, 2027-2039.	3.3	8
18	Synthesis, pharmacological screening, quantum chemical and in vitro permeability studies of N-Mannich bases of benzimidazoles through bovine cornea. European Journal of Medicinal Chemistry, 2009, 44, 2307-2312.	5.5	53

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19	Conformational polymorphism and cellular toxicity of IAPP and Î²AP domains. <i>Journal of Structural Biology</i> , 2009, 166, 116-125.	2.8	13
20	Aggregation and conformational studies on a pentapeptide derivative. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1659-1667.	2.3	4
21	Lipid-induced conformational transition of the amyloid core fragment AÎ²(28-35) and its A30G and A30I mutants. <i>FEBS Journal</i> , 2008, 275, 2415-2427.	4.7	13
22	Docking of B-cell epitope antigen to specific hepatitis B antibody. <i>Journal of Chemical Sciences</i> , 2007, 119, 553-558.	1.5	4
23	Shape-selective reactions with AEL and AFI type molecular sieves alkylation of benzene, toluene and ethylbenzene with ethanol, 2-propanol, methanol and t-butanol. <i>Journal of Molecular Catalysis A</i> , 2006, 243, 99-105.	4.8	36
24	Density functional theory analysis of some triple-decker sandwich complexes of iron containing cyclo-P5 and cyclo-As5 ligands. <i>Theoretical Chemistry Accounts</i> , 2005, 114, 213-221.	1.4	22
25	Can the cyclo-P5 Ligand Introduce Basicity at the Transition Metal Center in Metallocenes? A Hybrid Density Functional Study on the cyclo-P5 Analogues of Metallocenes of Fe, Ru and Os. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 2723-2732.	2.0	39
26	A Novel Fluorophore with Dual Fluorescence: Local Excited State and Photoinduced Electron-Transfer-Promoted Charge-Transfer State. <i>ChemPhysChem</i> , 2004, 5, 1200-1209.	2.1	68
27	Do Penta- and Decaphospha Analogues of Lithocene Anion and Beryllocene Exist? Analysis of Stability, Structure, and Bonding by Hybrid Density Functional Study. <i>Inorganic Chemistry</i> , 2003, 42, 3873-3883.	4.0	15
28	Do MÃ¶bius Silabenzene and MÃ¶bius Phosphabenzene Exist? Ab Initio MO and Density Functional Study of Electrocyclic Ring-Opening Reactions of Hetero-Dewar Benzenes Containing Silicon or Phosphorus. <i>Organometallics</i> , 2003, 22, 5454-5462.	2.3	8
29	Ultrasonic Studies on Charge Transfer Complexes of Cyclo Alkanones with Chloroform in n -Hexane Solutions. <i>Physics and Chemistry of Liquids</i> , 2002, 40, 507-525.	1.2	24
30	A Novel Tyrosine Derivative to Study Non-Covalent Assembly Involving C-H...O Hydrogen Bonding. <i>Bulletin of the Chemical Society of Japan</i> , 2002, 75, 89-90.	3.2	0
31	AM1 studies of photochemical reactions occurring from the S1 and the T1 states of some cyclopropyl ketones. <i>Computational and Theoretical Chemistry</i> , 1998, 434, 101-119.	1.5	0
32	Synthesis of spiropyrazolines. <i>Heteroatom Chemistry</i> , 1998, 9, 517-522.	0.7	25
33	SINDO1 investigations on the low-lying states of some three membered antiaromatic systems. <i>Tetrahedron</i> , 1996, 52, 4709-4718.	1.9	15
34	Investigation of aromaticity in the excited states of fulvene. <i>Computational and Theoretical Chemistry</i> , 1995, 336, 81-84.	1.5	10
35	Quantum chemical calculation of the barrier for tunneling of hydrogen in hydrogen abstraction from methane by methyl. <i>International Journal of Quantum Chemistry</i> , 1992, 41, 371-379.	2.0	17
36	Study of aromaticity in phosphorus analogs of cyclopentadienyl anion. <i>Journal of Organic Chemistry</i> , 1992, 57, 3694-3698.	3.2	77

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37	Synthesis and Diels-Alder reaction of stable aryl free 1,3-diazabutadiene. Tetrahedron Letters, 1990, 31, 7357-7358.	1.4	23
38	Geometry of triplets and dianions of aromatic and antiaromatic systems. Computational and Theoretical Chemistry, 1987, 153, 221-226.	1.5	18
39	Excited states of antiaromatic systems I. Tetrahedron, 1986, 42, 417-426.	1.9	20
40	Structures and properties of excited states of some para-disubstituted benzenes. The Journal of Physical Chemistry, 1985, 89, 5235-5239.	2.9	23
41	Structures and properties of excited states of benzene and some monosubstituted benzenes. The Journal of Physical Chemistry, 1984, 88, 3508-3516.	2.9	59
42	Intermolecular potentials in the dimer, the excimers, and the dimer ions of ethylene. The Journal of Physical Chemistry, 1981, 85, 2190-2194.	2.9	17
43	Singlet and triplet molecular interaction in excimers. Theoretica Chimica Acta, 1980, 55, 153-164.	0.8	22