

Victor A Galievsky

List of Publications by Year in descending order

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51
papers

1,452
citations

279487

23
h-index

329751

37
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all docs

52
docs citations

52
times ranked

1696
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Study of the Photophysical Properties of Nonplanar Tetraphenylporphyrin and Octaethylporphyrin Diacids. <i>Journal of Physical Chemistry B</i> , 2000, 104, 9909-9917.	1.2	125
2	Capillary Electrophoresis for Quantitative Studies of Biomolecular Interactions. <i>Analytical Chemistry</i> , 2015, 87, 157-171.	3.2	91
3	Photophysics of cationic 5,10,15,20-tetrakis-(4-N-methylpyridyl) porphyrin bound to DNA, [poly(dA-dT)] ₂ and [poly(dG-dC)] ₂ : on a possible charge transfer process between guanine and porphyrin in its excited singlet state. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1997, 40, 154-162.	1.7	82
4	Singlet excited state dipole moments of dual fluorescent N-phenylpyrroles and 4-(dimethylamino)benzonitrile from solvatochromic and thermochromic spectral shifts Dedicated to Professor Jean Kossanyi on the occasion of his 70th birthday.. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 342.	1.6	79
5	Quantitative Analysis of Singlet Oxygen (¹ O ₂) Generation via Energy Transfer in Nanocomposites Based on Semiconductor Quantum Dots and Porphyrin Ligands. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21535-21545.	1.5	67
6	Photophysical and Structural Properties of Saddle-Shaped Free Base Porphyrins: Evidence for an π -Orthogonal Dipole Moment. <i>Journal of Physical Chemistry B</i> , 2001, 105, 7818-7829.	1.2	63
7	Photophysics of the cationic 5, 10, 15,20-tetrakis (4-N-methylpyridyl) porphyrin bound to DNA, [poly(dA-dT)] ₂ and [poly(dG-dC)] ₂ : interaction with molecular oxygen studied by porphyrin triplet-triplet absorption and singlet oxygen luminescence. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1998, 42, 181-190.	1.7	62
8	Dynamics and Mechanism of the Exciplex Formation between Cu(TMpy-P4) and DNA Model Compounds Revealed by Time-Resolved Transient Absorption and Resonance Raman Spectroscopies. <i>The Journal of Physical Chemistry</i> , 1995, 99, 5732-5741.	2.9	49
9	Thermally Activated Internal Conversion with 4-(Dimethylamino)benzonitrile, 4-(Methylamino)benzonitrile, and 4-Aminobenzonitrile in Alkane Solvents. No Correlation with Intramolecular Charge Transfer. <i>Journal of Physical Chemistry A</i> , 2003, 107, 8075-8085.	1.1	48
10	Ultrafast Intramolecular Charge Transfer and Internal Conversion with Tetrafluoro-aminobenzonitriles. <i>ChemPhysChem</i> , 2005, 6, 2307-2323.	1.0	48
11	Ultrafast Intramolecular Charge Transfer with N-(4-Cyanophenyl)carbazole. Evidence for a LE Precursor and Dual LE + ICT Fluorescence. <i>Journal of Physical Chemistry A</i> , 2010, 114, 12622-12638.	1.1	47
12	Getting the best sensitivity from on-capillary fluorescence detection in capillary electrophoresis: A tutorial. <i>Analytica Chimica Acta</i> , 2016, 935, 58-81.	2.6	47
13	Spectroscopy and Photophysics of Tetraalkyldibenzoporphycenes. <i>Journal of Physical Chemistry A</i> , 1998, 102, 4966-4971.	1.1	37
14	Using Nonequilibrium Capillary Electrophoresis of Equilibrium Mixtures (NECEEM) for Simultaneous Determination of Concentration and Equilibrium Constant. <i>Analytical Chemistry</i> , 2015, 87, 3099-3106.	3.2	33
15	Photoproduct Formation with 4-Aminobenzonitriles in Acetonitrile and Its Effect on Photophysical Measurements. <i>Journal of Physical Chemistry A</i> , 2005, 109, 11213-11223.	1.1	30
16	Two-State Intramolecular Charge Transfer (ICT) with 3,5-Dimethyl-4-(dimethylamino)benzonitrile (MMD) and Its Meta-Isomer mMMD. Ground State Amino Twist Not Essential for ICT. <i>Journal of Physical Chemistry A</i> , 2015, 119, 11820-11836.	1.1	30
17	Intramolecular Charge Transfer and Dielectric Solvent Relaxation in n-Propyl Cyanide, N-Phenylpyrrole and 4-Dimethylamino-4'-cyanostilbene. <i>Journal of Physical Chemistry A</i> , 2006, 110, 12760-12768.	1.1	29
18	Photophysical Properties and Singlet Oxygen Generation Efficiencies of Water-Soluble Fullerene Nanoparticles. <i>Photochemistry and Photobiology</i> , 2014, 90, 997-1003.	1.3	29

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19	Improvement of LOD in Fluorescence Detection with Spectrally Nonuniform Background by Optimization of Emission Filtering. <i>Analytical Chemistry</i> , 2017, 89, 11122-11128.	3.2	28
20	Binding of the cationic 5,10,15,20-tetrakis(4-N-methylpyridyl) porphyrin at 5' and 3' sequences of hexadeoxyribonucleotides: triplet-triplet transient absorption, steady-state and time-resolved fluorescence and resonance Raman studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1998, 45, 67-74.	1.7	27
21	Binding of the cationic 5-coordinate Zn(II)-5,10,15,20-tetrakis(4-N-methylpyridyl)porphyrin to DNA and model polynucleotides: Ionic-strength dependent intercalation in [poly(dG-dC)] ₂ . <i>Biospectroscopy</i> , 1999, 5, 302-312.	0.4	27
22	Resonance Raman characterization of cationic Co(II) and Co(III) tetrakis(N) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (-methyl-4-pyridyl)porphyrin. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2003, 34, 868-881.	1.2	26
23	Dynamics and efficiency of the photosensitized singlet oxygen formation by chlorin e 6: The effects of the solution pH and polyvinylpyrrolidone. <i>Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.7843 14 rgBT5/Overlock</i>	1.2	25
24	Counterintuitive Absence of an Excited-State Intramolecular Charge Transfer Reaction with 2,4,6-Tricyanoanilines. Experimental and Computational Results. <i>Journal of Physical Chemistry A</i> , 2009, 113, 2693-2710.	1.1	23
25	Does photodissociation of molecular oxygen from myoglobin and hemoglobin yield singlet oxygen?. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 120, 130-141.	1.7	20
26	Diversity of excited state deactivation paths in heteroazaaromatics with multiple intermolecular hydrogen bonds. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1998, 102, 469-475.	0.9	19
27	Steady-State Continuous-Flow Purification by Electrophoresis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7256-7260.	7.2	19
28	Excited States of Water-Soluble Metal Porphyrins as Microenvironmental Probes for DNA and DNA-Model Compounds: Time-Resolved Transient Absorption and Resonance Raman Studies of Ni(TMpy-P4) in [Poly(dG-dC)] ₂ and [Poly(dA-dT)] ₂ . <i>The Journal of Physical Chemistry</i> , 1996, 100, 12649-12659.	2.9	18
29	Photophysical characterization of oligopyrene modules for DNA-based nanosystems. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1448.	1.6	18
30	Laser NIR lifetime spectrometer with nanosecond time resolution. <i>Instruments and Experimental Techniques</i> , 2010, 53, 568-574.	0.1	17
31	Water-Soluble Pyridyl Porphyrins with Amphiphilic N-Substituents: Fluorescent Properties and Photosensitized Formation of Singlet Oxygen. <i>Journal of Applied Spectroscopy</i> , 2014, 80, 813-823.	0.3	17
32	Presence and Absence of Excited State Intramolecular Charge Transfer with the Six Isomers of Dicyano- <i>N,N</i> -dimethylaniline and Dicyano- <i>N</i> -methyl- <i>N</i> -isopropyl)aniline. <i>Journal of Physical Chemistry A</i> , 2011, 115, 10823-10845.	1.1	16
33	Pentacyano- <i>N,N</i> -Dimethylaniline in the Excited State. Only Locally Excited State Emission, in Spite of the Large Electron Affinity of the Pentacyanobenzene Subgroup. <i>Journal of Physical Chemistry A</i> , 2010, 114, 13031-13039.	1.1	14
34	Fluorometer for Screening of Doxorubicin in Perfusate Solution and Tissue with Solid-Phase Microextraction Chemical Biopsy Sampling. <i>Analytical Chemistry</i> , 2020, 92, 13025-13033.	3.2	14
35	Intermolecular interaction of photoexcited Cu(TMpy-P4) with water studied by transient resonance Raman and picosecond absorption spectroscopies. <i>Chemical Physics Letters</i> , 1997, 270, 293-298.	1.2	13
36	Relaxation in excited states of porphycene in low-temperature argon and nitrogen matrices. <i>Chemical Physics Letters</i> , 2000, 318, 79-84.	1.2	12

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37	Time-resolved fluorescence studies of porphycene isolated in low-temperature gas matrices. <i>Chemical Physics Letters</i> , 2004, 394, 410-414.	1.2	11
38	Phosphorescence of palladium and platinum complexes of benzo-fused hydroporphyrines. <i>Journal of Applied Spectroscopy</i> , 2011, 77, 790-801.	0.3	11
39	Resonance Raman and absorption characterization of cationic Co(II)-porphyrin in its complexes with nucleic acids: binding modes, nucleic base specificity and role of water in Co(II) oxidation processes. <i>Journal of Raman Spectroscopy</i> , 2005, 36, 962-973.	1.2	10
40	Dynamics of photosensitized singlet oxygen generation and photophysical characteristics of chlorin e 6 in photolon ointment. <i>Journal of Applied Spectroscopy</i> , 2011, 78, 278-285.	0.3	9
41	Photophysical and photochemical properties of HITC indotricarbocyanine dye molecules in solutions. <i>Journal of Applied Spectroscopy</i> , 2013, 80, 170-175.	0.3	9
42	Transient Incomplete Separation Facilitates Finding Accurate Equilibrium Dissociation Constant of Protein–Small Molecule Complex. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6635-6639.	7.2	9
43	Profiling of Unsaturated Lipids by Raman Spectroscopy Directly on Solid-Phase Microextraction Probes. <i>Analytical Chemistry</i> , 2022, 94, 606-611.	3.2	9
44	The triplet state decay kinetics and deactivation funnel geometry of a series of nonplanar saddle-shaped porphyrins. <i>Chemical Physics Letters</i> , 2007, 434, 116-120.	1.2	8
45	Luminescence Properties of Yb-2,4-Dimethoxyhematoporphyrin IX, a Promising Compound for Diagnosis of Malignant Tumors. <i>Journal of Applied Spectroscopy</i> , 2015, 81, 938-943.	0.3	6
46	Dynamics of formation and decay of the exciplex created between excited Cu(II)-5,10,15,20-tetrakis(4-N-methylpyridyl)porphyrin and thymine C=O groups in short oligothymidylates and double-stranded [poly(dA–dT)] ₂ . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1999, 52, 43-50.	1.7	5
47	Photoinduced Species of Cationic Coll Porphyrin in Complexes with AT-Containing Nucleic Acids Characterized by Resonance Raman and Transient Absorption Spectroscopies. <i>Macrocyclic Chemistry</i> , 2011, 4, 89-92.	0.9	4
48	On the Origin of d0 Magnetism in Transparent Metal Oxide Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27714-27722.	1.5	4
49	Effect of medium dielectric properties on spontaneous emission of molecular singlet oxygen. <i>Journal of Applied Spectroscopy</i> , 2013, 79, 861-867.	0.3	3
50	Transient Incomplete Separation Facilitates Finding Accurate Equilibrium Dissociation Constant of Protein–Small Molecule Complex. <i>Angewandte Chemie</i> , 2019, 131, 6707-6711.	1.6	2
51	Picosecond dynamics and mechanism of the interaction of a photoexcited Cu(II)-porphyrin with a DNA-modeling polynucleotide. <i>Journal of Applied Spectroscopy</i> , 1995, 62, 275-284.	0.3	0