

# Victor A Galievsky

## List of Publications by Citations

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51  
papers

1,264  
citations

22  
h-index

34  
g-index

52  
ext. papers

1,349  
ext. citations

4  
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4.01  
L-index

| #  | Paper  | IF  | Citations |
|----|--|-----|-----------|
| 51 | Comparative Study of the Photophysical Properties of Nonplanar Tetraphenylporphyrin and Octaethylporphyrin Diacids. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 9909-9917  | 3.4 | 113       |
| 50 | Capillary electrophoresis for quantitative studies of biomolecular interactions. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 157-71  | 7.8 | 80        |
| 49 | Singlet excited state dipole moments of dual fluorescent N-phenylpyrroles and 4-(dimethylamino)benzointrile from solvatochromic and thermochromic spectral shifts. <i>Photochemical and Photobiological Sciences</i> , <b>2003</b> , 2, 342-53   | 4.2 | 72        |
| 48 | Photophysics of cationic 5,10,15,20-tetrakis-(4-N-methylpyridyl) porphyrin bound to DNA, [poly(dA-dT)] <sub>2</sub> and [poly(dG-dC)] <sub>2</sub> : on a possible charge transfer process between guanine and porphyrin in its excited singlet state. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1997</b> , 40, 154-162                        | 6.7 | 70        |
| 47 | Photophysical and Structural Properties of Saddle-Shaped Free Base Porphyrins: Evidence for an Orthogonal Dipole Moment. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 7818-7829   | 3.4 | 59        |
| 46 | Quantitative Analysis of Singlet Oxygen ( <sup>1</sup> O <sub>2</sub> ) Generation via Energy Transfer in Nanocomposites Based on Semiconductor Quantum Dots and Porphyrin Ligands. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 21535-21545  | 3.8 | 56        |
| 45 | Photophysics of the cationic 5,10,15,20-tetrakis (4-N-methylpyridyl) porphyrin bound to DNA, [poly (dA-dT)] <sub>2</sub> and [poly (dG-dC)] <sub>2</sub> : interaction with molecular oxygen studied by porphyrin triplet-triplet absorption and singlet oxygen luminescence. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2000</b> , 40, 154-162 | 6.7 | 56        |
| 44 | Thermally Activated Internal Conversion with 4-(Dimethylamino)benzointrile, 4-(Methylamino)benzointrile, and 4-Aminobenzointrile in Alkane Solvents. No Correlation with Intramolecular Charge Transfer. <i>Journal of Physical Chemistry A</i> , <b>2003</b> , 107, 8075-8085   | 2.8 | 48        |
| 43 | 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> , <b>2010</b> , 114, 12622-38   | 2.8 | 46        |
| 42 | 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> , <b>1995</b> , 99, 5732-5741   |     | 46        |
| 41 | Ultrafast intramolecular charge transfer and internal conversion with tetrafluoro-aminobenzointriles. <i>ChemPhysChem</i> , <b>2005</b> , 6, 2307-23   | 3.2 | 45        |
| 40 | Spectroscopy and Photophysics of Tetraalkyldibenzoporphycenes. <i>Journal of Physical Chemistry A</i> , <b>1998</b> , 102, 4966-4971   | 2.8 | 35        |
| 39 | "Getting the best sensitivity from on-capillary fluorescence detection in capillary electrophoresis" - A tutorial. <i>Analytica Chimica Acta</i> , <b>2016</b> , 935, 58-81  | 6.6 | 32        |
| 38 | 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> , <b>2006</b> , 110, 12760-8  | 2.8 | 28        |
| 37 | Photoproduct formation with 4-aminobenzointriles in acetonitrile and its effect on photophysical measurements. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 11213-23  | 2.8 | 26        |
| 36 | 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)] <sub>2</sub> . <i>Biospectroscopy</i> , <b>1999</b> , 5, 302-312   |     | 26        |
| 35 | Two-State Intramolecular Charge Transfer (ICT) with 3,5-Dimethyl-4-(dimethylamino)benzointrile (MMD) and Its Meta-Isomer mMMD. Ground State Amino Twist Not Essential for ICT. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 11820-36  | 2.8 | 25        |

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| 34 | Photophysical properties and singlet oxygen generation efficiencies of water-soluble fullerene nanoparticles. <i>Photochemistry and Photobiology</i> , <b>2014</b> , 90, 997-1003  | 3.6  | 24 |
| 33 | Using nonequilibrium capillary electrophoresis of equilibrium mixtures (NECEEM) for simultaneous determination of concentration and equilibrium constant. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 3099-106   | 7.8  | 24 |
| 32 | Binding of the cationic 5,10,15,20-tetrakis(4-N-methylpyridyl) porphyrin at 5'CG3' and 5'GC3' 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> , <b>1998</b> , 45, 67-74 | 6.7  | 24 |
| 31 | 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> , <b>2009</b> , 113, 2693-710   | 2.8  | 22 |
| 30 | Resonance Raman characterization of cationic Co(II) and Co(III) tetrakis(N-methyl-4-pyridinyl)porphyrins in aqueous and non-aqueous media. <i>Journal of Raman Spectroscopy</i> , <b>2003</b> , 34, 868-881  | 2.3  | 22 |
| 29 | 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 Spektroskopiya)</i> , <b>2009</b> , 107, 974-980  | 0.7  | 20 |
| 28 | Diversity of excited state deactivation paths in heteroazaaromatics with multiple intermolecular hydrogen bonds. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , <b>1998</b> , 102, 469-475  |      | 19 |
| 27 | Photophysical characterization of oligopyrene modules for DNA-based nanosystems. <i>Photochemical and Photobiological Sciences</i> , <b>2009</b> , 8, 1448-54  | 4.2  | 18 |
| 26 | 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)] <sub>2</sub> and [Poly(dA-dT)] <sub>2</sub> . <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 12649-12659      |      | 18 |
| 25 | Improvement of LOD in Fluorescence Detection with Spectrally Nonuniform Background by Optimization of Emission Filtering. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 11122-11128  | 7.8  | 17 |
| 24 | Does photodissociation of molecular oxygen from myoglobin and hemoglobin yield singlet oxygen?. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2013</b> , 120, 130-41   | 6.7  | 16 |
| 23 | Steady-state continuous-flow purification by electrophoresis. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 7256-60   | 16.4 | 16 |
| 22 | Water-Soluble Pyridyl Porphyrins with Amphiphilic N-Substituents: Fluorescent Properties and Photosensitized Formation of Singlet Oxygen. <i>Journal of Applied Spectroscopy</i> , <b>2014</b> , 80, 813-823   | 0.7  | 14 |
| 21 | Presence and absence of excited state intramolecular charge transfer with the six isomers of dicyano-N,N-dimethylaniline and dicyano-(N-methyl-N-isopropyl)aniline. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 10823-45   | 2.8  | 14 |
| 20 | Laser NIR lifetime spectrometer with nanosecond time resolution. <i>Instruments and Experimental Techniques</i> , <b>2010</b> , 53, 568-574  | 0.5  | 14 |
| 19 | Pentacyano-N,N-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> , <b>2010</b> , 114, 13031-9   | 2.8  | 13 |
| 18 | Intermolecular interaction of photoexcited Cu(TMpy-P4) with water studied by transient resonance Raman and picosecond absorption spectroscopies. <i>Chemical Physics Letters</i> , <b>1997</b> , 270, 293-298  | 2.5  | 12 |
| 17 | Relaxation in excited states of porphycene in low-temperature argon and nitrogen matrices. <i>Chemical Physics Letters</i> , <b>2000</b> , 318, 79-84  | 2.5  | 12 |

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| 16 | Time-resolved fluorescence studies of porphycene isolated in low-temperature gas matrices. <i>Chemical Physics Letters</i> , <b>2004</b> , 394, 410-414   | 2.5  | 11 |
| 15 | 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> , <b>2005</b> , 36, 962-973   | 2.3  | 9  |
| 14 | Phosphorescence of palladium and platinum complexes of benzo-fused hydroporphyrazines. <i>Journal of Applied Spectroscopy</i> , <b>2011</b> , 77, 790-801   | 0.7  | 8  |
| 13 | Dynamics of photosensitized singlet oxygen generation and photophysical characteristics of chlorin e 6 in photolon ointment. <i>Journal of Applied Spectroscopy</i> , <b>2011</b> , 78, 278-285   | 0.7  | 8  |
| 12 | The triplet state decay kinetics and deactivation funnel geometry of a series of nonplanar saddle-shaped porphyrins. <i>Chemical Physics Letters</i> , <b>2007</b> , 434, 116-120   | 2.5  | 8  |
| 11 | Transient Incomplete Separation Facilitates Finding Accurate Equilibrium Dissociation Constant of Protein-Small Molecule Complex. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6635-6639  | 16.4 | 6  |
| 10 | Luminescence Properties of Yb-2,4-Dimethoxyhematoporphyrin IX, a Promising Compound for Diagnosis of Malignant Tumors. <i>Journal of Applied Spectroscopy</i> , <b>2015</b> , 81, 938-943   | 0.7  | 6  |
| 9  | Fluorometer for Screening of Doxorubicin in Perfusate Solution and Tissue with Solid-Phase Microextraction Chemical Biopsy Sampling. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 13025-13033  | 7.8  | 6  |
| 8  | Photophysical and photochemical properties of HITC indotricarbocyanine dye molecules in solutions. <i>Journal of Applied Spectroscopy</i> , <b>2013</b> , 80, 170-175   | 0.7  | 5  |
| 7  | 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 $\bar{A}$ T)] <sub>2</sub> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1999</b> , 52, 43-50 | 6.7  | 4  |
| 6  | Effect of medium dielectric properties on spontaneous emission of molecular singlet oxygen. <i>Journal of Applied Spectroscopy</i> , <b>2013</b> , 79, 861-867  | 0.7  | 3  |
| 5  | Steady-State Continuous-Flow Purification by Electrophoresis. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 7397-7403   | 16   | 3  |
| 4  | Photoinduced Species of Cationic Co(II) Porphyrin in Complexes with AT-Containing Nucleic Acids Characterized by Resonance Raman and Transient Absorption Spectroscopies. <i>Macromolecules</i> , <b>2011</b> , 44, 89-92   | 2.2  | 3  |
| 3  | Transient Incomplete Separation Facilitates Finding Accurate Equilibrium Dissociation Constant of Protein-Small Molecule Complex. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 6707-6711   | 3.6  | 1  |
| 2  | On the Origin of d <sub>0</sub> Magnetism in Transparent Metal Oxide Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 27714-27722  | 3.8  | 0  |
| 1  | Picosecond dynamics and mechanism of the interaction of a photoexcited Cu(II)-porphyrin with a DNA-modeling polynucleotide. <i>Journal of Applied Spectroscopy</i> , <b>1995</b> , 62, 275-284  | 0.7  |    |