

# Jorge Peon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4584079/publications.pdf>

Version: 2024-02-01

64  
papers

3,818  
citations

186265

28  
h-index

123424

61  
g-index

66  
all docs

66  
docs citations

66  
times ranked

3271  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological water at the protein surface: Dynamical solvation probed directly with femtosecond resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1763-1768.	7.1	528
2	Biological Water: Femtosecond Dynamics of Macromolecular Hydration. <i>Journal of Physical Chemistry B</i> , 2002, 106, 12376-12395.	2.6	468
3	DNA Excited-State Dynamics: Ultrafast Internal Conversion and Vibrational Cooling in a Series of Nucleosides. <i>Journal of the American Chemical Society</i> , 2001, 123, 10370-10378.	13.7	389
4	Ultrafast Internal Conversion of Electronically Excited RNA and DNA Nucleosides in Water. <i>Journal of the American Chemical Society</i> , 2000, 122, 9348-9349.	13.7	265
5	DNA/RNA nucleotides and nucleosides: direct measurement of excited-state lifetimes by femtosecond fluorescence up-conversion. <i>Chemical Physics Letters</i> , 2001, 348, 255-262.	2.6	259
6	Hydration at the surface of the protein Monellin: Dynamics with femtosecond resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 10964-10969.	7.1	151
7	Excited State Dynamics of Methyl Viologen. Ultrafast Photoreduction in Methanol and Fluorescence in Acetonitrile. <i>Journal of Physical Chemistry A</i> , 2001, 105, 5768-5777.	2.5	119
8	Excited State Intramolecular Proton Transfer in Schiff Bases. Decay of the Locally Excited Enol State Observed by Femtosecond Resolved Fluorescence. <i>Journal of Physical Chemistry A</i> , 2007, 111, 6241-6247.	2.5	112
9	Nonlinear partial differential equations and applications: Ultrafast surface hydration dynamics and expression of protein functionality: Chymotrypsin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15297-15302.	7.1	111
10	Ultrafast Photoionization Dynamics of Indole in Water. <i>Journal of Physical Chemistry A</i> , 1999, 103, 2460-2466.	2.5	106
11	Ultrafast Intersystem Crossing in 1-Nitronaphthalene. An Experimental and Computational Study. <i>Journal of Physical Chemistry A</i> , 2008, 112, 358-365.	2.5	105
12	Singlet Excited-State Dynamics of Nitropolycyclic Aromatic Hydrocarbons: Direct Measurements by Femtosecond Fluorescence Up-Conversion. <i>Journal of Physical Chemistry A</i> , 2007, 111, 552-557.	2.5	86
13	Solvent Reorganization Controls the Rate of Proton Transfer from Neat Alcohol Solvents to Singlet Diphenylcarbene. <i>Journal of the American Chemical Society</i> , 2002, 124, 6428-6438.	13.7	71
14	Relaxation in the Triplet Manifold of 1-Nitronaphthalene Observed by Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2009, 113, 805-810.	2.5	67
15	Ultrafast decay and hydration dynamics of DNA bases and mimics. <i>Chemical Physics Letters</i> , 2002, 363, 57-63.	2.6	59
16	Primary Photochemistry of Nitrated Aromatic Compounds: Excited-State Dynamics and NO <sup>•</sup> Dissociation from 9-Nitroanthracene. <i>Journal of Physical Chemistry A</i> , 2011, 115, 577-585.	2.5	58
17	Femtosecond electron ejection in liquid acetonitrile: Evidence for cavity electrons and solvent anions. <i>Journal of Chemical Physics</i> , 2002, 117, 8855-8866.	3.0	55
18	Excited-State Dynamics of Nitrated Push-Pull Molecules: The Importance of the Relative Energy of the Singlet and Triplet Manifolds. <i>Journal of Physical Chemistry A</i> , 2009, 113, 13498-13508.	2.5	55

#	ARTICLE	IF	CITATIONS
19	Role of Upper Triplet States on the Photophysics of Nitrated Polyaromatic Compounds: S <sub>1</sub> Lifetimes of Singly Nitrated Pyrenes. <i>Journal of Physical Chemistry A</i> , 2011, 115, 9782-9789.	2.5	55
20	Ultrafast excited state hydrogen atom transfer in salicylideneaniline driven by changes in aromaticity. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 31608-31612.	2.8	53
21	Excited-State Dynamics and Two-Photon Absorption Cross Sections of Fluorescent Diphenyl-Tin <sup>IV</sup> Derivatives with Schiff Bases: A Comparative Study of the Effect of Chelation from the Ultrafast to the Steady-State Time Scale. <i>Journal of Physical Chemistry A</i> , 2010, 114, 704-714.	2.5	42
22	The Influence of Push-Pull States on the Ultrafast Intersystem Crossing in Nitroaromatics. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9947-9955.	2.6	42
23	Theoretical study of the absorption and nonradiative deactivation of 1-nitronaphthalene in the low-lying singlet and triplet excited states including methanol and ethanol solvent effects. <i>Journal of Chemical Physics</i> , 2012, 137, 054307.	3.0	35
24	On the Accessibility to Conical Intersections in Purines: Hypoxanthine and its Singly Protonated and Deprotonated Forms. <i>Journal of the American Chemical Society</i> , 2012, 134, 7820-7829.	13.7	35
25	Dynamics of the Higher Lying Excited States of Cyanine Dyes. An Ultrafast Fluorescence Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7352-7362.	2.6	33
26	Dynamics of the Formation of a Charge Transfer State in 1,2-Bis(9-anthryl)acetylene in Polar Solvents: Symmetry Reduction with the Participation of an Intramolecular Torsional Coordinate. <i>Journal of Physical Chemistry B</i> , 2013, 117, 12175-12183.	2.6	31
27	Disulfide Bridges in the Mesophilic Triosephosphate Isomerase from <i>Giardia lamblia</i> Are Related to Oligomerization and Activity. <i>Journal of Molecular Biology</i> , 2007, 365, 752-763.	4.2	30
28	Ultrafast Photosensitization of Phthalocyanines through Their Axial Ligands. <i>Journal of the American Chemical Society</i> , 2011, 133, 4698-4701.	13.7	30
29	Excited state dynamics and photochemistry of nitroaromatic compounds. <i>Chemical Communications</i> , 2021, 57, 12218-12235.	4.1	24
30	An unusual triosephosphate isomerase from the early divergent eukaryote <i>Giardia lamblia</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 55, 824-834.	2.6	23
31	Two-dimensional chiral model for liquid crystals, bent hard needles: A Monte Carlo simulation. <i>Journal of Chemical Physics</i> , 2006, 125, 104908.	3.0	23
32	Synthesis and third-order nonlinear optical studies of a novel four-coordinated organoboron derivative and a bidentate ligand. <i>Synthetic Metals</i> , 2009, 159, 1281-1287.	3.9	23
33	Clay-mediated cyclooligomerization of olefin oxides: a one-pot route to crown ethers. <i>Journal of Molecular Catalysis A</i> , 1995, 104, L5-L7.	4.8	20
34	Transient IR Spectroscopic Observation of Singlet and Triplet States of 2-Nitrofluorene: Revisiting the Photophysics of Nitroaromatics. <i>Journal of Physical Chemistry A</i> , 2016, 120, 28-35.	2.5	20
35	Two-dimensional model for mixtures of enantiomers, bent hard needles: a Monte Carlo simulation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 345, 130-142.	2.6	19
36	Ultrafast Carbonylcarbene Formation and Spin-Equilibration. <i>Journal of the American Chemical Society</i> , 2000, 122, 8087-8088.	13.7	18

#	ARTICLE	IF	CITATIONS
37	Synthesis and Photodynamics of Stilbenyl- <i>o</i> -Azopyrroles: Two-Photon Controllable Photoswitching Systems. <i>ChemPhotoChem</i> , 2020, 4, 144-154.	3.0	15
38	Polypeptides with pendant porphyrins of defined sequence of chromophores: towards artificial photosynthetic systems. <i>Journal of Porphyrins and Phthalocyanines</i> , 2008, 12, 1232-1241.	0.8	14
39	Fluorescence of serotonin in the visible spectrum upon multiphotonic photoconversion. <i>Biomedical Optics Express</i> , 2020, 11, 1432.	2.9	14
40	Fluorophore Release from a Polymethinic Photoremovable Protecting Group Through a Nonlinear Optical Process. <i>ChemPhotoChem</i> , 2017, 1, 397-407.	3.0	12
41	Ultrafast Fluorescence Signals from $\hat{I}^2$ -Dihydronicotinamide Adenine Dinucleotide: Resonant Energy Transfer in the Folded and Unfolded Forms. <i>Journal of Physical Chemistry B</i> , 2020, 124, 519-530.	2.6	11
42	Unraveling the mechanisms of tryptophan fluorescence quenching in the triosephosphate isomerase from <i>Giardia lamblia</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1493-1500.	2.3	10
43	Origin of the Photoinduced Geometrical Change of Copper(I) Complexes from the Quantum Chemical Topology View. <i>Chemistry - A European Journal</i> , 2019, 25, 775-784.	3.3	10
44	Photoinduced Energy Transfer in Bichromophoric Pyrene-PPV Oligomer Systems: The Role of Flexible Donor-Acceptor Bridges. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3490-3503.	2.6	9
45	Ultrafast fluorescence study of the effect of carboxylic and carboxylate substituents on the excited state properties of anthracene. <i>Journal of Luminescence</i> , 2014, 145, 697-707.	3.1	9
46	Nitrated Fluorophore Formation upon Two-Photon Excitation of an Azide with Extended Conjugation. <i>Journal of Physical Chemistry B</i> , 2017, 121, 9910-9919.	2.6	9
47	Physicochemical and computational insight of $^{19}\text{F}$ NMR and emission properties of <i>meso</i> -( <i>o</i> -aryl)-BODIPYs. <i>New Journal of Chemistry</i> , 2020, 44, 19459-19471.	2.8	9
48	Two-dimensional chiral segregation of the bent hard needles model with Lennard-Jones sites. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 145-158.	2.6	7
49	Evolution of electron density towards the conical intersection of a nucleic acid purine. <i>Chemical Physics Letters</i> , 2017, 683, 425-430.	2.6	7
50	Rotational Diffusion of Dihydroxy Coumarins: Effect of OH Groups and Their Relative Position on Solute-Solvent Interactions. <i>Journal of Physical Chemistry B</i> , 2009, 113, 8599-8606.	2.6	6
51	Ultrafast Excited State Dynamics of Allopurinol, a Modified DNA Base. <i>Journal of Physical Chemistry A</i> , 2013, 117, 898-904.	2.5	6
52	Ultrafast Photoluminescence Kinetics from Hot Excitonic States in CdSe Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 26698-26706.	3.1	6
53	Experimental and theoretical study of novel aminobenzamide-aminonaphthalimide fluorescent dyads with a FRET mechanism. <i>RSC Advances</i> , 2022, 12, 6192-6204.	3.6	6
54	Two-photon induced isomerization through a cyaninic molecular antenna in azo compounds. <i>Chemical Communications</i> , 2021, 57, 3123-3126.	4.1	5

#	ARTICLE	IF	CITATIONS
55	Sensitization of Nd <sup>3+</sup> Luminescence by Simultaneous Two-Photon Excitation through a Coordinating Polymethinic Antenna. <i>Journal of Physical Chemistry A</i> , 2022, 126, 2498-2510.	2.5	5
56	Photophysics of a Cis Axially Disubstituted Macrocyclic: Rapid Intersystem Crossing in a Tin(IV) Phthalocyanine with a Half-Domed Geometry. <i>Journal of Physical Chemistry B</i> , 2012, 116, 14107-14114.	2.6	4
57	Bichromophoric Sensors for Ratiometric Measurements of Molecular Microenvironments through the Interplay of Charge Transfer and Energy Transfer Channels. <i>ChemPlusChem</i> , 2018, 83, 1097-1108.	2.8	3
58	Ultrafast Photoluminescence Quenching of Initially Excited States in CdSe Quantum Dots Functionalized with a Charge Acceptor Dye. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22519-22528.	3.1	2
59	Near-Threshold Photoionization Dynamics of Indole in Water. <i>ACS Symposium Series</i> , 2002, , 122-135.	0.5	1
60	Bisindole caulerpin analogues as nature-inspired photoresponsive molecules. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6680-6688.	5.5	1
61	Fluorophore Release from a Polymethinic Photoremovable Protecting Group Through a Nonlinear Optical Process. <i>ChemPhotoChem</i> , 2017, 1, 377-377.	3.0	0
62	Frontispiece: Origin of the Photoinduced Geometrical Change of Copper(I) Complexes from the Quantum Chemical Topology View. <i>Chemistry - A European Journal</i> , 2019, 25, .	3.3	0
63	Aromatic solute photoionization studied by femtosecond transient absorption spectroscopy. <i>Springer Series in Chemical Physics</i> , 1998, , 606-608.	0.2	0
64	Time-resolved fluorescence and anisotropy studies of red pigments present in acrylic formulations. <i>Journal of Luminescence</i> , 2022, , 118913.	3.1	0