

Jose Luis Perez Lustres

List of Publications by Year in descending order

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papers

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citations

331670

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docs citations

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times ranked

2139
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Proton Transfer to Solvent: Molecularity and Intermediates from Solvation- and Diffusion-Controlled Regimes. <i>Journal of the American Chemical Society</i> , 2007, 129, 5408-5418.	13.7	164
2	Dynamics of Ultrafast Intramolecular Charge Transfer with 4-(Dimethylamino)benzonitrile in Acetonitrile. <i>Journal of Physical Chemistry A</i> , 2006, 110, 2955-2969.	2.5	157
3	Power-Law Solvation Dynamics in DNA over Six Decades in Time. <i>Journal of the American Chemical Society</i> , 2005, 127, 7270-7271.	13.7	141
4	Ultrafast Dynamics in DNA: "Fraying" at the End of the Helix. <i>Journal of the American Chemical Society</i> , 2006, 128, 6885-6892.	13.7	130
5	Femtosecond pump/supercontinuum-probe spectroscopy: Optimized setup and signal analysis for single-shot spectral referencing. <i>Review of Scientific Instruments</i> , 2010, 81, 113106.	1.3	126
6	Large Dynamic Stokes Shift of DNA Intercalation Dye Thiazole Orange has Contribution from a High-Frequency Mode. <i>Journal of the American Chemical Society</i> , 2006, 128, 2954-2962.	13.7	123
7	Ultrafast Solvation of N-Methyl-6-quinolone Probes Local IR Spectrum. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5635-5639.	13.8	120
8	Quantitative Reactivity Model for the Hydration of Carbon Dioxide by Biomimetic Zinc Complexes. <i>Inorganic Chemistry</i> , 2002, 41, 1454-1463.	4.0	84
9	Femtosecond fluorescence spectroscopy by upconversion with tilted gate pulses. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 1716-1725.	2.8	80
10	Primary Events in the Blue Light Sensor Plant Cryptochrome: Intraprotein Electron and Proton Transfer Revealed by Femtosecond Spectroscopy. <i>Journal of the American Chemical Society</i> , 2012, 134, 12536-12546.	13.7	70
11	Photoinduced Electron Transfer in Bianthryl and Cyanobianthryl in Solution: The Case for a High-Frequency Intramolecular Reaction Coordinate. <i>Journal of Physical Chemistry A</i> , 2003, 107, 10228-10232.	2.5	64
12	S ₂ →S ₁ Internal Conversion in β -Carotene: Strong Vibronic Coupling from Amplitude Oscillations of Transient Absorption Bands. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3758-3761.	13.8	54
13	Ground-State Tautomerism and Excited-State Proton-Transfer Processes in 4,5-Dimethyl-2-(2-hydroxyphenyl)imidazole in Solution: Fluorescence Spectroscopy and Quantum Mechanical Calculations. <i>Journal of Physical Chemistry A</i> , 1998, 102, 10736-10745.	2.5	49
14	Ultrafast Intramolecular Charge Transfer and Internal Conversion with Tetrafluoro-aminobenzonitriles. <i>ChemPhysChem</i> , 2005, 6, 2307-2323.	2.1	48
15	Photoinduced Processes in Riboflavin: Superposition of $\pi\pi^*$ States by Vibronic Coupling, Transfer of Vibrational Coherence, and Population Dynamics under Solvent Control. <i>Journal of Physical Chemistry A</i> , 2008, 112, 12054-12065.	2.5	43
16	Photoinduced Proton and Charge Transfer in 2-(2-Hydroxyphenyl)imidazo[4,5- <i>b</i>]pyridine. <i>Journal of Physical Chemistry B</i> , 2013, 117, 884-896.	2.6	42
17	Tailoring Ultrafast Singlet Fission by the Chemical Modification of Phenazinothiadiazoles. <i>Journal of the American Chemical Society</i> , 2019, 141, 8834-8845.	13.7	39
18	Femtosecond transient absorption with chirped pump and supercontinuum probe: Perturbative calculation of transient spectra with general lineshape functions, and simplifications. <i>Chemical Physics</i> , 2008, 347, 127-138.	1.9	34

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19	Mapping CTTS dynamics of Na ⁺ in tetrahydrofuran with ultrafast multichannel pump-probe spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 2599-2609.	2.8	28
20	Dissociation of a Strong Acid in Neat Solvents: Diffusion Is Observed after Reversible Proton Ejection Inside the Solvent Shell. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14065-14078.	2.6	24
21	Singlet Fission in Tetraaza-TIPS-Pentacene Oligomers: From fs Excitation to $\hat{1}/4$ s Triplet Decay via the Biexcitonic State. <i>Journal of Physical Chemistry B</i> , 2019, 123, 10780-10793.	2.6	24
22	Excited-State Photophysics of an Acridine Derivative Selectively Intercalated in Duplex DNA. <i>ChemPhysChem</i> , 2002, 3, 452.	2.1	20
23	P-Protected Diphosphadibenzo[<i>a</i>], [<i>e</i>]pentalenes and Their Mono- and Dicationic P-Bridged Ladder Stilbenes. <i>Organic Letters</i> , 2019, 21, 2033-2038.	4.6	20
24	Solvent-Dependent Ground- and Excited-State Tautomerism in 2-(6-Hydroxy-2-pyridyl)benzimidazole. <i>Journal of Physical Chemistry A</i> , 2004, 108, 6117-6126.	2.5	19
25	Excited-State Proton and Charge Transfer in Protonated Amino and Methylated Derivatives of 2-(2-Hydroxyphenyl)benzimidazole. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2475-2489.	2.6	17
26	Luminescent complexes of silver(i) with pyridylbis(3-hexamethyleneiminy) thiosemicarbazone): effect of the counterion on the nuclearity. <i>Dalton Transactions</i> , 2012, 41, 3787.	3.3	15
27	Oxygen-catalysed sequential singlet fission. <i>Nature Communications</i> , 2019, 10, 5202.	12.8	15
28	Ferromagnetic heterotrinnuclear Cu-Ni complexes of a compartmental chiral Schiff base. <i>Dalton Transactions</i> , 2011, 40, 11770.	3.3	13
29	Moderately Strong Photoacid Dissociates in Alcohols with High Transient Concentration of the Proton-Transfer Contact Pair. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 989-994.	4.6	13
30	Ultrafast deactivation of bilirubin: dark intermediates and two-photon isomerization. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 7148-7155.	2.8	12
31	Ultrafast Singlet Fission in Rigid Azaarene Dimers with Negligible Orbital Overlap. <i>Journal of Physical Chemistry B</i> , 2020, 124, 9163-9174.	2.6	12
32	Charge Transfer from Photoexcited Semiconducting Single-Walled Carbon Nanotubes to Wide-Bandgap Wrapping Polymer. <i>Journal of Physical Chemistry C</i> , 2021, 125, 8125-8136.	3.1	9
33	Femtosecond dynamics of proteoheparan sulfate (HS-PC) after UV excitation: A readout for arteriosclerotic nanoplaque formation?. <i>Biochemical and Biophysical Research Communications</i> , 2006, 345, 886-893.	2.1	8
34	Photoisomerization around a Fulvene Double Bond: Coherent Population Transfer to the Electronic Ground State?. <i>ChemPhysChem</i> , 2011, 12, 1860-1871.	2.1	8
35	Substituting Coumarins for Quinolinones: Altering the Cycloreversion Potential Energy Landscape. <i>Journal of Physical Chemistry A</i> , 2018, 122, 7587-7597.	2.5	8
36	Ultrafast ring closing of a diarylethene-based photoswitchable nucleoside. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22867-22876.	2.8	8

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37	Steady-State Spectroscopy to Single Out the Contact Ion Pair in Excited-State Proton Transfer. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1683-1689.	4.6	8
38	Femtosecond S ₃ →S ₁ Conversion and Structural Reorganisation of trans-3-Phenylprop-2-enaldehyde and Derivatives in Solution. <i>ChemPhysChem</i> , 2005, 6, 1590-1599.	2.1	7
39	Two Competitive Routes in the Lactam→Lactam Phototautomerization of a Hydroxypyridine Derivative Cation in Water: A Dissociative Mechanism versus Water-Assisted Proton Transfer. <i>Journal of Physical Chemistry A</i> , 2005, 109, 10189-10198.	2.5	7
40	Ultrafast Singlet Fission and Intersystem Crossing in Halogenated Tetraazaperopyrenes. <i>Journal of Physical Chemistry A</i> , 2020, 124, 7857-7868.	2.5	7
41	Diffusion-Controlled Singlet Fission in a Chlorinated Phenazinothiadiazole by Broadband Femtosecond Transient Absorption. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10186-10194.	2.6	6
42	Solvent-Controlled Intermolecular Proton Transfer Follows an Irreversible Eigen-Weller Model from fs to ns. <i>ChemPhotoChem</i> , 2021, 5, 1094-1105.	3.0	6
43	Zinc-mediated diastereoselective assembly of a trinuclear circular helicate. <i>RSC Advances</i> , 2016, 6, 21228-21234.	3.6	2
44	Unveiling the concentration dependent direct triplet formation via singlet fission in a tetracene derivative. <i>EPJ Web of Conferences</i> , 2019, 205, 09031.	0.3	1
45	Tailoring ultrafast singlet fission by structural modification of phenazinothiadiazoles. <i>EPJ Web of Conferences</i> , 2019, 205, 09013.	0.3	0