Jose Luis Perez Lustres

List of Publications by Year
in descending order

45 papers	1,903 citations	331670 21 h-index	254184 43 g-index
46 all docs	46 docs citations	46 times ranked	2139 citing authors

#	Article	IF	Citations
1	Steady-State Spectroscopy to Single Out the Contact Ion Pair in Excited-State Proton Transfer. Journal of Physical Chemistry Letters, 2021, 12, 1683-1689.	4.6	8
2	Charge Transfer from Photoexcited Semiconducting Single-Walled Carbon Nanotubes to Wide-Bandgap Wrapping Polymer. Journal of Physical Chemistry C, 2021, 125, 8125-8136.	3.1	9
3	Solventâ€Controlled Intermolecular Protonâ€Transfer Follows an Irreversible Eigenâ€Weller Model from fs to ns. ChemPhotoChem, 2021, 5, 1094-1105.	3.0	6
4	Diffusion-Controlled Singlet Fission in a Chlorinated Phenazinothiadiazole by Broadband Femtosecond Transient Absorption. Journal of Physical Chemistry B, 2020, 124, 10186-10194.	2.6	6
5	Ultrafast Singlet Fission and Intersystem Crossing in Halogenated Tetraazaperopyrenes. Journal of Physical Chemistry A, 2020, 124, 7857-7868.	2.5	7
6	Ultrafast Singlet Fission in Rigid Azaarene Dimers with Negligible Orbital Overlap. Journal of Physical Chemistry B, 2020, 124, 9163-9174.	2.6	12
7	Oxygen-catalysed sequential singlet fission. Nature Communications, 2019, 10, 5202.	12.8	15
8	Tailoring ultrafast singlet fission by structural modification of phenazinothiadiazoles. EPJ Web of Conferences, 2019, 205, 09013.	0.3	0
9	Tailoring Ultrafast Singlet Fission by the Chemical Modification of Phenazinothiadiazoles. Journal of the American Chemical Society, 2019, 141, 8834-8845.	13.7	39
10	Unveiling the concentration dependent direct triplet formation via singlet fission in a tetracene derivative. EPJ Web of Conferences, 2019, 205, 09031.	0.3	1
11	P-Protected Diphosphadibenzo[a,e]pentalenes and Their Mono- and Dicationic P-Bridged Ladder Stilbenes. Organic Letters, 2019, 21, 2033-2038.	4.6	20
12	Singlet Fission in Tetraaza-TIPS-Pentacene Oligomers: From fs Excitation to Î¼s Triplet Decay via the Biexcitonic State. Journal of Physical Chemistry B, 2019, 123, 10780-10793.	2.6	24
13	Substituting Coumarins for Quinolinones: Altering the Cycloreversion Potential Energy Landscape. Journal of Physical Chemistry A, 2018, 122, 7587-7597.	2.5	8
14	Ultrafast ring closing of a diarylethene-based photoswitchable nucleoside. Physical Chemistry Chemical Physics, 2018, 20, 22867-22876.	2.8	8
15	Ultrafast deactivation of bilirubin: dark intermediates and two-photon isomerization. Physical Chemistry Chemical Physics, 2016, 18, 7148-7155.	2.8	12
16	Zinc-mediated diastereoselective assembly of a trinuclear circular helicate. RSC Advances, 2016, 6, 21228-21234.	3.6	2
17	Excited-State Proton and Charge Transfer in Protonated Amino and Methylated Derivatives of 2-(2â€²-Hydroxyphenyl)benzimidazole. Journal of Physical Chemistry B, 2015, 119, 2475-2489.	2.6	17
18	Moderately Strong Photoacid Dissociates in Alcohols with High Transient Concentration of the Proton-Transfer Contact Pair. Journal of Physical Chemistry Letters, 2014, 5, 989-994.	4.6	13

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19	Dissociation of a Strong Acid in Neat Solvents: Diffusion Is Observed after Reversible Proton Ejection Inside the Solvent Shell. Journal of Physical Chemistry B, 2013, 117, 14065-14078.	2.6	24
20	Photoinduced Proton and Charge Transfer in 2-(2â€²-Hydroxyphenyl)imidazo[4,5-b]pyridine. Journal of Physical Chemistry B, 2013, 117, 884-896.	2.6	42
21	Luminescent complexes of silver(i) with pyridylbis(3-hexamethyleneiminyl thiosemicarbazone): effect of the counterion on the nuclearity. Dalton Transactions, 2012, 41, 3787.	3.3	15
22	Primary Events in the Blue Light Sensor Plant Cryptochrome: Intraprotein Electron and Proton Transfer Revealed by Femtosecond Spectroscopy. Journal of the American Chemical Society, 2012, 134, 12536-12546.	13.7	70
23	Ferromagnetic heterotrinuclear Cuâ€“Ni complexes of a compartmental chiral Schiff base. Dalton Transactions, 2011, 40, 11770.	3.3	13
24	Photoisomerization around a Fulvene Double Bond: Coherent Population Transfer to the Electronic Ground State?. ChemPhysChem, 2011, 12, 1860-1871.	2.1	8
25	Femtosecond pump/supercontinuum-probe spectroscopy: Optimized setup and signal analysis for single-shot spectral referencing. Review of Scientific Instruments, 2010, 81, 113106.	1.3	126
26	Femtosecond transient absorption with chirped pump and supercontinuum probe: Perturbative calculation of transient spectra with general lineshape functions, and simplifications. Chemical Physics, 2008, 347, 127-138.	1.9	34
27	Photoinduced Processes in Riboflavin: Superposition of Ï€Ï€*â^'nÏ€* States by Vibronic Coupling, Transfer of Vibrational Coherence, and Population Dynamics under Solvent Control. Journal of Physical Chemistry A, 2008, 112, 12054-12065.	2.5	43
28	Ultrafast Proton Transfer to Solvent:Â Molecularity and Intermediates from Solvation- and Diffusion-Controlled Regimes. Journal of the American Chemical Society, 2007, 129, 5408-5418.	13.7	164
29	S2â†'S1 Internal Conversion in Î²-Carotene: Strong Vibronic Coupling from Amplitude Oscillations of Transient Absorption Bands. Angewandte Chemie - International Edition, 2007, 46, 3758-3761.	13.8	54
30	Dynamics of Ultrafast Intramolecular Charge Transfer with 4-(Dimethylamino)benzonitrile in Acetonitrile. Journal of Physical Chemistry A, 2006, 110, 2955-2969.	2.5	157
31	Mapping CTTS dynamics of Naâ^'in tetrahydrofurane with ultrafast multichannel pumpâ€“probe spectroscopy. Physical Chemistry Chemical Physics, 2006, 8, 2599-2609.	2.8	28
32	Large Dynamic Stokes Shift of DNA Intercalation Dye Thiazole Orange has Contribution from a High-Frequency Mode. Journal of the American Chemical Society, 2006, 128, 2954-2962.	13.7	123
33	Ultrafast Dynamics in DNA:â€‰ â€œFrayingâ€•at the End of the Helix. Journal of the American Chemical Society, 2006, 128, 6885-6892.	13.7	130
34	Femtosecond dynamics of proteoheparan sulfate (HS-PG) after UV excitationâ€”A readout for arteriosclerotic nanoplaque formation?. Biochemical and Biophysical Research Communications, 2006, 345, 886-893.	2.1	8
35	Femtosecond S3â†'S1 Conversion and Structural Reorganisation oftrans-3-Phenylprop-2-enaldehyde and Derivatives in Solution. ChemPhysChem, 2005, 6, 1590-1599.	2.1	7
36	Ultrafast Intramolecular Charge Transfer and Internal Conversion with Tetrafluoro-aminobenzonitriles. ChemPhysChem, 2005, 6, 2307-2323.	2.1	48

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37	Ultrafast Solvation ofN-Methyl-6-quinolone Probes Local IR Spectrum. Angewandte Chemie - International Edition, 2005, 44, 5635-5639.	13.8	120
38	Two Competitive Routes in the Lactimâ''Lactam Phototautomerization of a Hydroxypyridine Derivative Cation in Water:â€‰ Dissociative Mechanism versus Water-Assisted Proton Transfer. Journal of Physical Chemistry A, 2005, 109, 10189-10198.	2.5	7
39	Power-Law Solvation Dynamics in DNA over Six Decades in Time. Journal of the American Chemical Society, 2005, 127, 7270-7271.	13.7	141
40	Femtosecond fluorescence spectroscopy by upconversion with tilted gate pulses. Physical Chemistry Chemical Physics, 2005, 7, 1716-1725.	2.8	80
41	Solvent-Dependent Ground- and Excited-State Tautomerism in 2-(6â€˜-Hydroxy-2â€˜-pyridyl)benzimidazole. Journal of Physical Chemistry A, 2004, 108, 6117-6126.	2.5	19
42	Photoinduced Electron Transfer in Bianthryl and Cyanobianthryl in Solution:â€‰ The Case for a High-Frequency Intramolecular Reaction Coordinate. Journal of Physical Chemistry A, 2003, 107, 10228-10232.	2.5	64
43	Quantitative Reactivity Model for the Hydration of Carbon Dioxide by Biomimetic Zinc ComplexesâŠ¥. Inorganic Chemistry, 2002, 41, 1454-1463.	4.0	84
44	Excited-State Photophysics of an Acridine Derivative Selectively Intercalated in Duplex DNA. ChemPhysChem, 2002, 3, 452.	2.1	20
45	Ground-State Tautomerism and Excited-State Proton-Transfer Processes in 4,5-Dimethyl-2-(2â€˜-hydroxyphenyl)imidazole in Solution:Â Fluorescence Spectroscopy and Quantum Mechanical Calculations. Journal of Physical Chemistry A, 1998, 102, 10736-10745.	2.5	49