Luis Velarde

List of Publications by Year
in descending order

39 papers	1,246 citations	331538 21 h-index	360920 35 g-index
41 all docs	41 docs citations	41 times ranked	1047 citing authors

#	Article	IF	Citations
1	Insight into the Adsorption Structure of TIPS-Pentacene on Noble Metal Surfaces. Journal of Physical Chemistry C, 2022, 126, 2689-2698.	1.5	0
2	Intermolecular Interactions at the Silicaâ€“Liquid Interface Modulate the Fermi Resonance Coupling in Surface Methanol. Journal of Physical Chemistry Letters, 2021, 12, 5695-5702.	2.1	7
3	Imaging the reactivity and width of graphene's boundary region. Chemical Communications, 2020, 56, 9612-9615.	2.2	4
4	Doubly resonant sum frequency spectroscopy of mixed photochromic isomers on surfaces reveals conformation-specific vibronic effects. Journal of Chemical Physics, 2019, 150, 114704.	1.2	20
5	Tuning the Surface Ordering of Self-Assembled Ionic Surfactants on Semiconducting Single-Walled Carbon Nanotubes: Concentration, Tube Diameter, and Counterions. Langmuir, 2018, 34, 9279-9288.	1.6	8
6	Aggregated States of Chalcogenorhodamine Dyes on Nanocrystalline Titania Revealed by Doubly Resonant Sum Frequency Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 3424-3436.	1.5	18
7	Substrate influence on the interlayer electronâ€“phonon couplings in fullerene films probed with doubly-resonant SFG spectroscopy. Physical Chemistry Chemical Physics, 2017, 19, 18519-18528.	1.3	32
8	Elucidation of the bonding of a near infrared dye to hollow gold nanospheres â€“ a chalcogen tripod. Chemical Science, 2016, 7, 5160-5170.	3.7	19
9	Interfacial Surfactant Ordering in Thin Films of SDS-Encapsulated Single-Walled Carbon Nanotubes. Journal of Physical Chemistry Letters, 2016, 7, 320-326.	2.1	23
10	Accurate Line Shapes from Sub-1 cm^{â€“1} Resolution Sum Frequency Generation Vibrational Spectroscopy of Î±-Pinene at Room Temperature. Journal of Physical Chemistry A, 2015, 119, 1292-1302.	1.1	49
11	Quantitative Sum-Frequency Generation Vibrational Spectroscopy of Molecular Surfaces and Interfaces: Lineshape, Polarization, and Orientation. Annual Review of Physical Chemistry, 2015, 66, 189-216.	4.8	190
12	Vibrational spectral signatures of crystalline cellulose using high resolution broadband sum frequency generation vibrational spectroscopy (HR-BB-SFG-VS). Cellulose, 2015, 22, 1469-1484.	2.4	17
13	Dissociative Binding of Carboxylic Acid Ligand on Nanoceria Surface in Aqueous Solution: A Joint In Situ Spectroscopic Characterization and First-Principles Study. Journal of Physical Chemistry C, 2013, 117, 24329-24338.	1.5	48
14	Capturing inhomogeneous broadening of the â€“CN stretch vibration in a Langmuir monolayer with high-resolution spectra and ultrafast vibrational dynamics in sum-frequency generation vibrational spectroscopy (SFG-VS). Journal of Chemical Physics, 2013, 139, 084204.	1.2	48
15	Unified treatment and measurement of the spectral resolution and temporal effects in frequency-resolved sum-frequency generation vibrational spectroscopy (SFG-VS). Physical Chemistry Chemical Physics, 2013, 15, 19970.	1.3	68
16	Unique determination of the â€“CN group tilt angle in Langmuir monolayers using sum-frequency polarization null angle and phase. Chemical Physics Letters, 2013, 585, 42-48.	1.2	22
17	Coherent Vibrational Dynamics and High-resolution Nonlinear Spectroscopy: A Comparison with the Air/DMSO Liquid Interface. Chinese Journal of Chemical Physics, 2013, 26, 710-720.	0.6	11
18	Resolving Two Closely Overlapping â”CN Vibrations and Structure in the Langmuir Monolayer of the Long-Chain Nonadecanenitrile by Polarization Sum Frequency Generation Vibrational Spectroscopy. Journal of Physical Chemistry C, 2012, 116, 2976-2987.	1.5	29

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19	Vibrationally promoted electron emission at a metal surface: electron kinetic energy distributions. Physical Chemistry Chemical Physics, 2011, 13, 97-99.	1.3	27
20	Photoelectron Spectroscopic Study of the Oxyallyl Diradical. Journal of Physical Chemistry A, 2011, 115, 1634-1649.	1.1	43
21	Electron Kinetic Energies from Vibrationally Promoted Surface Exoemission: Evidence for a Vibrational Autodetachment Mechanism. Journal of Physical Chemistry A, 2011, 115, 14306-14314.	1.1	14
22	Consistency in the Sum Frequency Generation Intensity and Phase Vibrational Spectra of the Air/Neat Water Interface. Journal of Physical Chemistry A, 2011, 115, 6015-6027.	1.1	65
23	Communication: Spectroscopic phase and lineshapes in high-resolution broadband sum frequency vibrational spectroscopy: Resolving interfacial inhomogeneities of â€œidenticalâ€•molecular groups. Journal of Chemical Physics, 2011, 135, 241102.	1.2	96
24	Generation of tunable narrow bandwidth nanosecond pulses in the deep ultraviolet for efficient optical pumping and high resolution spectroscopy. Review of Scientific Instruments, 2010, 81, 063106.	0.6	30
25	Electronic Structure and Spectroscopy of Oxyallyl: A Theoretical Study. Journal of Physical Chemistry A, 2010, 114, 6935-6943.	1.1	28
26	Câ^'H Bond Dissociation Energy of Malononitrile. Journal of Physical Chemistry Letters, 2010, 1, 792-795.	2.1	30
27	Further Evidence for Resonant Photoelectronâ^'Solvent Scattering in Nitrous Oxide Cluster Anions. Journal of Physical Chemistry A, 2010, 114, 1367-1373.	1.1	12
28	Effects of isomer coexistence and solvent-induced core switching in the photodissociation of bare and solvated (CS2)2â^' anions. Journal of Chemical Physics, 2009, 130, 124301.	1.2	9
29	Titelbild: The Lowest Singlet and Triplet States of the Oxyallyl Diradical (Angew. Chem. 45/2009). Angewandte Chemie, 2009, 121, 8531-8531.	1.6	0
30	The Lowest Singlet and Triplet States of the Oxyallyl Diradical. Angewandte Chemie - International Edition, 2009, 48, 8509-8511.	7.2	75
31	Cover Picture: The Lowest Singlet and Triplet States of the Oxyallyl Diradical (Angew. Chem. Int. Ed.) Tj ETQq1 1 0.784314 rgBT /Over	7.2	0
32	Observation and Characterization of the CH₃S(O)CH^{â^'} and CH₃S(O)CH^{â^'}Â·H₂O Carbene Anions by Photoelectron Imaging and Photofragment Spectroscopy. Journal of Physical Chemistry A, 2009, 113, 3528-3534.	1.1	3
33	Relaxation of (CS₂)₂^{â^'} to Its Global Minimum Mediated by Water Molecules: Photoelectron Imaging Study. Journal of Physical Chemistry A, 2008, 112, 10134-10140.	1.1	9
34	Solvation-induced cluster anion core switching from NNO2â^'(N2O)nâ^'1 to Oâ^'(N2O)n. Journal of Chemical Physics, 2008, 129, 044311.	1.2	10
35	Photodissociation of CO2â^' in water clusters via Renner-Teller and conical interactions. Journal of Chemical Physics, 2007, 126, 154301.	1.2	26
36	Solvent resonance effect on the anisotropy of NOâ^'(N2O)n cluster anion photodetachment. Journal of Chemical Physics, 2007, 127, 084302.	1.2	23

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37	enabled photodissociation of <mml:math altimg="si5.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="ht. Chemical Physics Letters	1.2	26
38	Photodetachment and photofragmentation pathways in the [(CO2)2(H2O)m]â^' cluster anions. Journal of Chemical Physics, 2006, 125, 114303.	1.2	54
39	Effects of solvation and core switching on the photoelectron angular distributions from (CO2)nâ^' and (CO2)nâ^'â‹…H2O. Journal of Chemical Physics, 2004, 120, 5148-5154.	1.2	39