

Jerry L Larue

List of Publications by Year in descending order

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19
papers

946
citations

623188

14
h-index

794141

19
g-index

19
all docs

19
docs citations

19
times ranked

1537
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing the transition state region in catalytic CO oxidation on Ru. <i>Science</i> , 2015, 347, 978-982.	6.0	193
2	Real-Time Observation of Surface Bond Breaking with an X-ray Laser. <i>Science</i> , 2013, 339, 1302-1305.	6.0	179
3	Site-specific photocatalytic splitting of methanol on TiO ₂ (110). <i>Chemical Science</i> , 2010, 1, 575.	3.7	150
4	Inverse Velocity Dependence of Vibrationally Promoted Electron Emission from a Metal Surface. <i>Science</i> , 2008, 321, 1191-1194.	6.0	62
5	Communication: Bubbles, crystals, and laser-induced nucleation. <i>Journal of Chemical Physics</i> , 2011, 134, 171102.	1.2	53
6	THz-Pulse-Induced Selective Catalytic CO Oxidation on Ru. <i>Physical Review Letters</i> , 2015, 115, 036103.	2.9	46
7	Catalysis in real time using X-ray lasers. <i>Chemical Physics Letters</i> , 2017, 675, 145-173.	1.2	45
8	The work function of submonolayer cesium-covered gold: A photoelectron spectroscopy study. <i>Journal of Chemical Physics</i> , 2008, 129, 024709.	1.2	37
9	Generation of tunable narrow bandwidth nanosecond pulses in the deep ultraviolet for efficient optical pumping and high resolution spectroscopy. <i>Review of Scientific Instruments</i> , 2010, 81, 063106.	0.6	30
10	Vibrationally promoted electron emission at a metal surface: electron kinetic energy distributions. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 97-99.	1.3	27
11	Strong Influence of Coadsorbate Interaction on CO Desorption Dynamics on Ru(0001) Probed by Ultrafast X-Ray Spectroscopy and Ab Initio Simulations. <i>Physical Review Letters</i> , 2015, 114, 156101.	2.9	25
12	Chemical Bond Activation Observed with an X-ray Laser. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3647-3651.	2.1	21
13	A Surface Femtosecond Two-Photon Photoemission Spectrometer for Excited Electron Dynamics and Time-Dependent Photochemical Kinetics. <i>Chinese Journal of Chemical Physics</i> , 2010, 23, 255-261.	0.6	19
14	Time-resolved observation of transient precursor state of CO on Ru(0001) using carbon K-edge spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2677-2684.	1.3	15
15	Electron Kinetic Energies from Vibrationally Promoted Surface Exoemission: Evidence for a Vibrational Autodetachment Mechanism. <i>Journal of Physical Chemistry A</i> , 2011, 115, 14306-14314.	1.1	14
16	Optical laser-induced CO desorption from Ru(0001) monitored with a free-electron X-ray laser: DFT prediction and X-ray confirmation of a precursor state. <i>Surface Science</i> , 2015, 640, 80-88.	0.8	13
17	Ultrafast Adsorbate Excitation Probed with Subpicosecond-Resolution X-Ray Absorption Spectroscopy. <i>Physical Review Letters</i> , 2021, 127, 016802.	2.9	11
18	Methanol decomposition on Ni(111) and O/Ni(111). <i>Journal of Chemical Physics</i> , 2022, 156, 024704.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Atom-specific activation in CO oxidation. Journal of Chemical Physics, 2018, 149, 234707.	1.2	2