

Yuzhu Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1120811/publications.pdf>

Version: 2024-02-01

53
papers

488
citations

687363

13
h-index

839539

18
g-index

53
all docs

53
docs citations

53
times ranked

297
citing authors

#	ARTICLE	IF	CITATIONS
1	In-situ detection of sulfur in the atmosphere via laser-induced breakdown spectroscopy and single particle aerosol mass spectrometry technology. Optics and Laser Technology, 2022, 145, 107490.	4.6	4
2	Online detection and source tracing of VOCs in the air. Optics and Laser Technology, 2022, 149, 107826.	4.6	6
3	Study on physical properties of ethylbenzene under external electric field. Computational and Theoretical Chemistry, 2022, 1207, 113533.	2.5	7
4	Identification of writing marks from pencil lead through machine learning based on laser-induced breakdown spectroscopy. Optik, 2022, 259, 169008.	2.9	4
5	Online in situ detection of local air conditions in hazardous operation scenarios. Chemosphere, 2022, 298, 134219.	8.2	1
6	The online detection of halogenated hydrocarbon in the atmosphere. Optics and Lasers in Engineering, 2021, 142, 106586.	3.8	9
7	Study on the photoionization and dissociative photoionization of ortho-, meta-, para-bromofluorobenzenes using VUV synchrotron radiation. Chemical Physics Letters, 2021, 783, 139045.	2.6	2
8	Real-time in situ detection and source tracing of different soot. Optik, 2021, 245, 167711.	2.9	3
9	Study on the online detection of atmospheric sulfur <i>via</i> laser-induced breakdown spectroscopy. Journal of Analytical Atomic Spectrometry, 2021, 36, 1028-1033.	3.0	6
10	Rapid detection and identification of charcoal by laser-induced breakdown spectroscopy. Journal of Laser Applications, 2021, 33, 042024.	1.7	2
11	Rapid detection and identification of objects using a self-designed methodology based on LIBS and PCA-DVSM " taking rosewood for example. Optik, 2021, 248, 168069.	2.9	2
12	Spectrum and Physical Properties of C70 Under the External Electric Field. Journal of Cluster Science, 2020, 31, 951-960.	3.3	11
13	The in situ detection of smoking in public area by laser-induced breakdown spectroscopy. Chemosphere, 2020, 242, 125184.	8.2	19
14	The online detection of carbon isotopes by laser-induced breakdown spectroscopy. Journal of Analytical Atomic Spectrometry, 2020, 35, 341-346.	3.0	17
15	Study on photodynamics of furan via strong field multiphoton ionization by velocity map imaging technique. Chemical Physics, 2020, 530, 110611.	1.9	7
16	Study on tea harvested in different seasons based on laser-induced breakdown spectroscopy. Laser Physics Letters, 2020, 17, 015701.	1.4	15
17	Online <i>in situ</i> detection and rapid distinguishing of saffron. Journal of Laser Applications, 2020, 32, .	1.7	13
18	A modulation method of endohedral fullerene material: Using the external electric field. Chemical Physics Letters, 2020, 756, 137849.	2.6	4

#	ARTICLE	IF	CITATIONS
19	Real-time in situ source tracing of human exhalation and different burning smoke indoors. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 170, 105901.	2.9	8
20	Correlation between laser-induced plasma temperature and CN radical molecule emission during tree burning. <i>Optik</i> , 2020, 224, 165670.	2.9	2
21	Online in situ detection of multiple elements and analysis of heavy metals in the incense smoke and ash. <i>Optical Engineering</i> , 2020, 59, 1.	1.0	5
22	Online detection of halogen atoms in atmospheric VOCs by the LIBS-SPAMS technique. <i>Optics Express</i> , 2020, 28, 22844.	3.4	16
23	Real-time in situ detection of the local air pollution with laser-induced breakdown spectroscopy: errata. <i>Optics Express</i> , 2020, 28, 18750.	3.4	6
24	Photoelectron imaging spectroscopy and photodynamics of m-xylene cations. <i>Laser Physics Letters</i> , 2019, 16, 035301.	1.4	3
25	Tuning the Spectrum Properties of Fullerene C60: Using a Strong External Electric Field. <i>Journal of Cluster Science</i> , 2019, 30, 319-328.	3.3	8
26	Real-time in situ detection of the local air pollution with laser-induced breakdown spectroscopy. <i>Optics Express</i> , 2019, 27, A790.	3.4	32
27	Tunable Fano Resonances in Mid-Infrared Waveguide-Coupled Otto Configuration. <i>Plasmonics</i> , 2018, 13, 215-220.	3.4	9
28	Rapid analysis of heavy metals in the coal ash with laser-induced breakdown spectroscopy. <i>Optik</i> , 2018, 174, 550-557.	2.9	11
29	Quantitative analysis of Fe and detection of multiple elements in the coal ash by laser-induced breakdown spectroscopy. <i>Optik</i> , 2018, 169, 77-84.	2.9	6
30	Quantitative analysis of Pb in kelp samples and offshore seawater by laser-induced breakdown spectroscopy. <i>Laser Physics</i> , 2018, 28, 085703.	1.2	4
31	Study on stepwise and concerted dissociation of CF ₂ Br ₂ under electric field. <i>Chemical Physics Letters</i> , 2018, 706, 348-354.	2.6	6
32	Visualization of the formation of cyclopentylcarbene using time-resolved photoelectron imaging spectroscopy. <i>Laser Physics Letters</i> , 2017, 14, 105301.	1.4	3
33	Spectra and dissociation properties of Freon 31 under electric field. <i>Spectroscopy Letters</i> , 2017, 50, 572-578.	1.0	6
34	Tunable Spectrum Selective Enhanced Absorption of Monolayer Graphene in Fano Resonant Waveguide Grating with four-Part Period. <i>Plasmonics</i> , 2017, 12, 1177-1181.	3.4	13
35	Tracking ultrafast dynamics of n-propylbenzene cations by delayed photofragmentation and photoelectron spectroscopy. <i>Journal of Molecular Spectroscopy</i> , 2017, 331, 66-70.	1.2	7
36	Visualizing competing intersystem crossing and internal conversion with a complementary measurement. <i>Journal of Chemical Physics</i> , 2016, 144, 084201.	3.0	9

#	ARTICLE	IF	CITATIONS
37	Tunable plasmonic filter with circular metal-insulator-metal ring resonator containing double narrow gaps. <i>Pramana - Journal of Physics</i> , 2016, 86, 1091-1097.	1.8	14
38	Direct observation of up-conversion via femtosecond photoelectron imaging. <i>Physical Review A</i> , 2015, 92, .	2.5	7
39	Ultrafast imaging of electronic relaxation in n-propylbenzene: Direct observation of intermediate state. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 54-58.	3.9	4
40	Tracking ultrafast relaxation dynamics of furan by femtosecond photoelectron imaging. <i>Chemical Physics</i> , 2015, 446, 142-147.	1.9	13
41	Phase-dependent field-free molecular alignment and orientation. <i>Physical Review A</i> , 2014, 90, .	2.5	9
42	Switching the vibrational excitation of a polyatomic ion in multi-photon strong field ionization. <i>Chemical Physics Letters</i> , 2014, 610-611, 153-158.	2.6	9
43	Ultrafast dynamics of ethylbenzene cations probed by photofragmentation and photoelectron spectrometry. <i>Journal of Molecular Structure</i> , 2014, 1076, 26-30.	3.6	5
44	The physical mechanism of molecular alignment and orientation by a femtosecond two-color laser pulse. <i>European Physical Journal D</i> , 2014, 68, 1.	1.3	4
45	Study on the ultrafast dynamics of o-xylene cation by combined fs-photoelectron imaging-photofragmentation spectroscopy. <i>Chemical Physics</i> , 2014, 442, 48-52.	1.9	6
46	Beam-Scanning Planar Lens Based on Metal-Dielectric-Metal Waveguide Arrays. <i>Plasmonics</i> , 2013, 8, 481-486.	3.4	0
47	Ultrafast imaging of electronic relaxation in o-xylene: a new competing intersystem crossing channel. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18101.	2.8	12
48	Real-time observation of ultrafast internal conversion in ethylbenzene by femtosecond time-resolved photoelectron imaging. <i>Optics Express</i> , 2013, 21, 16639.	3.4	22
49	Charged particle velocity map image reconstruction with one-dimensional projections of spherical functions. <i>Review of Scientific Instruments</i> , 2013, 84, 033101.	1.3	32
50	Real-time visualization of the dynamic evolution of CS ₂ 4d and 6s Rydberg wave packet components. <i>Optics Express</i> , 2011, 19, 4542.	3.4	5
51	Direct observation of field-free alignment of asymmetric molecules in excited states. <i>Physical Review A</i> , 2011, 83, .	2.5	19
52	Probing ultrafast internal conversion of o-xylene via femtosecond time-resolved photoelectron imaging. <i>Optics Express</i> , 2010, 18, 5791.	3.4	34
53	Photolysis of 1H^+ and 2H^+ at 266 nm: Direct Observation of the Effect of Branching on the Photodissociation Mechanism. <i>ChemPhysChem</i> , 2009, 10, 830-834.	2.1	7