

Jie Jiang

List of Publications by Year in descending order

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873
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#	ARTICLE	IF	CITATIONS
1	Construction of Porous Tubular $\text{In}_2\text{S}_3@ \text{In}_2\text{O}_3$ with Plasma Treatment-Derived Oxygen Vacancies for Efficient Photocatalytic H_2O_2 Production in Pure Water Via Two-Electron Reduction. ACS Applied Materials & Interfaces, 2021, 13, 25868-25878.	8.0	61
2	Sacrificial agent-free photocatalytic H_2O_2 evolution via two-electron oxygen reduction using a ternary $\text{In-Fe}_2\text{O}_3/\text{CQD@g-C}_3\text{N}_4$ photocatalyst with broad-spectrum response. Journal of Materials Chemistry A, 2020, 8, 18816-18825.	10.3	60
3	Droplet Spray Ionization from a Glass Microscope Slide: Real-Time Monitoring of Ethylene Polymerization. Analytical Chemistry, 2015, 87, 8057-8062.	6.5	56
4	Portable Dielectric Barrier Discharge-Atomic Emission Spectrometer. Analytical Chemistry, 2017, 89, 2205-2210.	6.5	52
5	Rapid Monitoring Approach for Microplastics Using Portable Pyrolysis-Mass Spectrometry. Analytical Chemistry, 2020, 92, 4656-4662.	6.5	51
6	Neglected microplastics pollution in the nearshore surface waters derived from coastal fishery activities in Weihai, China. Science of the Total Environment, 2021, 768, 144484.	8.0	45
7	Bacterial community shift in response to a deep municipal tail wastewater treatment system. Bioresource Technology, 2019, 281, 195-201.	9.6	43
8	Turning on the Photoelectrochemical Responses of Cd Probe-Deposited $\text{g-C}_3\text{N}_4$ Nanosheets by Nitrogen Plasma Treatment toward a Selective Sensor for H_2S . ACS Applied Materials & Interfaces, 2021, 13, 2052-2061.	8.0	34
9	Synchronous removal of emulsions and soluble organic contaminants via a microalgae-based membrane system: performance and mechanisms. Water Research, 2021, 206, 117741.	11.3	30
10	A portable electromagnetic heating-microplasma atomic emission spectrometry for direct determination of heavy metals in soil. Talanta, 2020, 219, 121348.	5.5	28
11	Effective photocatalytic salicylic acid removal under visible light irradiation using $\text{Ag}_2\text{S}/\text{AgI}-\text{Bi}_2\text{S}_3/\text{BiOI}$ with Z-scheme heterojunctions. Applied Surface Science, 2019, 481, 1335-1343.	6.1	26
12	In Situ Mass Spectrometric Screening and Studying of the Fleeting Chain Propagation of Aniline. Analytical Chemistry, 2018, 90, 7154-7157.	6.5	25
13	In-plane optical anisotropy in ReS_2 flakes determined by angle-resolved polarized optical contrast spectroscopy. Nanoscale, 2019, 11, 20199-20205.	5.6	25
14	Real-time monitoring of the degradation of Cu(II)-EDTA in $\text{H}_2\text{O}_2/\text{UV}$ using illumination-assisted droplet spray ionization mass spectrometry. Chemosphere, 2017, 184, 932-938.	8.2	21
15	Rapid determination of cadmium in rice by portable dielectric barrier discharge-atomic emission spectrometer. Food Chemistry, 2020, 310, 125824.	8.2	19
16	Degradation mechanism study of fluoroquinolones in $\text{UV}/\text{Fe}^{2+}/\text{peroxydisulfate}$ by on-line mass spectrometry. Chemosphere, 2020, 239, 124737.	8.2	18
17	Surface Desorption Dielectric-Barrier Discharge Ionization Mass Spectrometry. Analytical Chemistry, 2017, 89, 7333-7339.	6.5	17
18	Activating peroxymonosulfate by halogenated and methylated quinones: performance and mechanism. RSC Advances, 2019, 9, 27224-27230.	3.6	16

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19	Raman intensity enhancement of molecules adsorbed onto HfS ₂ flakes up to 200 layers. <i>Nanoscale</i> , 2019, 11, 2179-2185.	5.6	14
20	Denitrification performance of <i>Pseudomonas fluorescens</i> Z03 immobilized by graphene oxide-modified polyvinyl-alcohol and sodium alginate gel beads at low temperature. <i>Royal Society Open Science</i> , 2020, 7, 191542.	2.4	14
21	Water Microdroplets Allow Spontaneously Abiotic Production of Peptides. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5774-5780.	4.6	14
22	Nebulization Prior to Isolation, Ionization, and Dissociation of the Neutral Serine Octamer Allows Its Characterization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17141-17145.	13.8	13
23	Interference Effect on Photoluminescence Intensity in GaSe up to 200 Layers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10185-10191.	3.1	13
24	Rapid and efficient method for assessing nanoplastics by an electromagnetic heating pyrolysis mass spectrometry. <i>Journal of Hazardous Materials</i> , 2021, 419, 126506.	12.4	12
25	Mass spectrometric detection of fleeting neutral intermediates generated in electrochemical reactions. <i>Chemical Science</i> , 2021, 12, 9494-9499.	7.4	11
26	Droplet spray ionization mass spectrometry for real-time monitoring of activation of peroxymonosulfate by 1,4-benzoquinone. <i>Microchemical Journal</i> , 2018, 139, 437-442.	4.5	10
27	Rapid and direct mass spectrometric analysis of antibiotics in seawater samples. <i>Analyst, The</i> , 2019, 144, 1898-1903.	3.5	10
28	In situ analysis and real-time monitoring of the decomposition of the 2 nd Grubbs catalyst in CH ₃ CN by droplet spray ionization tandem mass spectrometry. <i>Analytical Methods</i> , 2017, 9, 4201-4206.	2.7	9
29	Real-time mass-spectrometric screening of droplet-scale electrochemical reactions. <i>Analyst, The</i> , 2018, 143, 4247-4250.	3.5	9
30	On-line monitoring of transient radicals and oligomers: o-Phenylenediamine electrooxidation mechanism study by mass spectrometry. <i>Microchemical Journal</i> , 2020, 153, 104390.	4.5	9
31	Atomically flat HfO ₂ layer fabricated by mild oxidation HfS ₂ with controlled number of layers. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	9
32	Substrate-Coated Illumination Droplet Spray Ionization: Real-Time Monitoring of Photocatalytic Reactions. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1939-1946.	2.8	9
33	Aqueous-Microdroplet-Driven Abiotic Synthesis of Ribonucleotides. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 567-573.	4.6	9
34	Characterization and application of droplet spray ionization for real-time reaction monitoring. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 51-55.	1.5	7
35	Real-time monitoring of electroreduction and labelling of disulfide-bonded peptides and proteins by mass spectrometry. <i>Analyst, The</i> , 2019, 144, 6898-6904.	3.5	7
36	Real-time monitoring of ciprofloxacin degradation in an electro-Fenton-like system using electrochemical-mass spectrometry. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 181-188.	2.4	7

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37	Nebulization dielectric barrier discharge ionization mass spectrometry: Rapid and sensitive analysis of acenaphthene. <i>Talanta</i> , 2021, 222, 121681.	5.5	7
38	Probing autoxidation of oleic acid at air-water interface: A neglected and significant pathway for secondary organic aerosols formation. <i>Environmental Research</i> , 2022, 212, 113232.	7.5	7
39	On-line monitoring of photolysis reactions using electrospray ionization mass spectrometry coupled with pressurized photoreactor. <i>Analytica Chimica Acta</i> , 2018, 1013, 36-42.	5.4	6
40	Rapid determination of melatonin by droplet spray ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2019, 444, 116191.	1.5	6
41	Mass spectrometric observation on free radicals during electrooxidation of dopamine. <i>Analytica Chimica Acta</i> , 2022, 1193, 339403.	5.4	6
42	Hexagonal WSe ₂ Nanoplates for Large-Scale Continuous Optoelectronic Films. <i>ACS Applied Nano Materials</i> , 2021, 4, 5014-5021.	5.0	5
43	Photo-oxidation Dynamics in GaSe Flakes Probed through Temporal Evolution of Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25608-25614.	3.1	5
44	Intermediate detection in real time using reactive surface desorption dielectric barrier discharge ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2018, 53, 511-517.	1.6	3
45	Boosting Enhancement of the Electron-Phonon Coupling in Mixed Dimensional CdS/Graphene van der Waals Heterojunction. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	3
46	Doped Argon Surface Desorption Dielectric-Barrier Discharge Ionization Mass Spectrometry for Fragile Compounds. <i>Analytical Chemistry</i> , 2018, 90, 9033-9039.	6.5	2
47	Determination of concentration of adsorbed molecules by Raman spectroscopy and optical imaging. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	2
48	Water-soluble conjugated polymeric micelles as a carrier for studying Pt(IV) release and imaging in living cells. <i>Polymer Chemistry</i> , 2020, 11, 1720-1726.	3.9	2
49	Nebulization prior to ionization for mechanistic studies of chemical reactions. <i>Analytica Chimica Acta</i> , 2020, 1107, 107-112.	5.4	2
50	Rapid Determination of Adenine Arabinoside Monophosphate in Pharmaceutical Injections by Droplet Spray Ionization Tandem Mass Spectrometry (DSI-MS/MS). <i>Analytical Letters</i> , 2019, 52, 2484-2495.	1.8	1
51	High-sensitive detection of fluorene by ambient ionization mass spectrometry. <i>New Journal of Chemistry</i> , 2021, 45, 10325-10330.	2.8	1
52	Thin interfacial film spontaneously produces hydrogen peroxide: mechanism and application on perfluorooctanoic acid degradation. <i>New Journal of Chemistry</i> , 0, , .	2.8	0