

# Renato Zenobi

## List of Publications by Year in descending order

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445  
papers

20,997  
citations

13332

70  
h-index

22488

117  
g-index

473  
all docs

473  
docs citations

473  
times ranked

18793  
citing authors

#	ARTICLE	IF	CITATIONS
1	A tutorial on the analysis of multifactorial designs from one or more data sources using AComDim. <i>Journal of Chemometrics</i> , 2023, 37, .	0.7	2
2	Efficiently handling high-dimensional data from multifactorial designs with unequal group sizes using Rebalanced ASCA (RASCA). <i>Journal of Chemometrics</i> , 2023, 37, .	0.7	2
3	Nanoscale Chemical Imaging of Coadsorbed Thiolate Self-Assembled Monolayers on Au(111) by Tip-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2022, 94, 1645-1653.	3.2	5
4	Resolving isobaric interferences in direct infusion tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, e9266.	0.7	8
5	Hybrid Ionization Source Combining Nanoelectrospray and Dielectric Barrier Discharge Ionization for the Simultaneous Detection of Polar and Nonpolar Compounds in Single Cells. <i>Analytical Chemistry</i> , 2022, 94, 2873-2881.	3.2	15
6	Aptamer-An Aptamer-Functionalized Glass Fiber Paper Platform for Rapid Upconcentration and Detection of Small Molecules. <i>Analytical Chemistry</i> , 2022, 94, 5651-5657.	3.2	4
7	Excited-State N Atoms Transform Aromatic Hydrocarbons into <i>N</i> -Heterocycles in Low-Temperature Plasmas. <i>Journal of Physical Chemistry A</i> , 2022, 126, 1743-1754.	1.1	4
8	Effect of the alkyl linker length on the photoisomerization of hydrazone switches on metal surfaces. <i>Materials Today Chemistry</i> , 2022, 24, 100797.	1.7	4
9	Molecular-Level Insights on Reactive Arrangement in On-Surface Photocatalytic Coupling Reactions Using Tip-Enhanced Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2022, 144, 538-546.	6.6	29
10	Visualizing Surface Phase Separation in PS-PMMA Polymer Blends at the Nanoscale. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 24938-24945.	4.0	24
11	Visualizing On-Surface Decomposition Chemistry at the Nanoscale Using Tip-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4864-4870.	2.1	8
12	Exploring Gas-Phase MS Methodologies for Structural Elucidation of Branched <i>N</i> -Glycan Isomers. <i>Analytical Chemistry</i> , 2022, 94, 10531-10539.	3.2	9
13	Monitoring peppermint washout in the breath metabolome by secondary electrospray ionization-high resolution mass spectrometry. <i>Journal of Breath Research</i> , 2021, 15, 026003.	1.5	19
14	Nanoscale Hyperspectral Imaging of Amyloid Secondary Structures in Liquid. <i>Angewandte Chemie</i> , 2021, 133, 4595-4600.	1.6	9
15	Competition of Ligands and the 18 $\alpha$ -mer Binding Domain of the RHAU Helicase for G $\alpha$ -Quadruplexes: Orthosteric or Allosteric Binding Mechanism?. <i>Chemistry - A European Journal</i> , 2021, 27, 1113-1121.	1.7	5
16	Breaking the Brightness Barrier: Design and Characterization of a Selected-Ion Fluorescence Measurement Setup with High Optical Detection Efficiency. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 187-197.	1.2	17
17	Rapid analysis of fragrance allergens by dielectric barrier discharge ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9021.	0.7	6
18	Nanoscale Hyperspectral Imaging of Amyloid Secondary Structures in Liquid. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4545-4550.	7.2	19

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19	Fluorescence-Based Detection of the Desolvation Process of Protein Ions Generated in an Aqueous Electrospray Plume. <i>Analytical Chemistry</i> , 2021, 93, 3635-3642.	3.2	6
20	Immobilization of molecular catalysts on electrode surfaces using host-guest interactions. <i>Nature Chemistry</i> , 2021, 13, 523-529.	6.6	49
21	Minimizing ion competition boosts volatile metabolome coverage by secondary electrospray ionization orbitrap mass spectrometry. <i>Analytica Chimica Acta</i> , 2021, 1150, 338209.	2.6	14
22	Hallmarks of $\alpha$ - and $\beta$ -coronavirus non-structural protein 7+8 complexes. <i>Science Advances</i> , 2021, 7, .	4.7	20
23	Atmospheric Pressure Mass Spectrometry Imaging Using Laser Ablation, Followed by Dielectric Barrier Discharge Ionization. <i>Analytical Chemistry</i> , 2021, 93, 6232-6238.	3.2	19
24	Novel Insight into Proximal DNA Domain Interactions from Temperature-Controlled Electrospray Ionization Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15390-15398.	7.2	8
25	Titelbild: Novel Insight into Proximal DNA Domain Interactions from Temperature-Controlled Electrospray Ionization Mass Spectrometry ( <i>Angew. Chem.</i> 28/2021). <i>Angewandte Chemie</i> , 2021, 133, 15241-15241.	1.6	0
26	Novel Insight into Proximal DNA Domain Interactions from Temperature-Controlled Electrospray Ionization Mass Spectrometry. <i>Angewandte Chemie</i> , 2021, 133, 15518-15526.	1.6	0
27	High-Mass Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry for Absolute Quantitation of Noncovalent Protein-Protein Binding Interactions. <i>Analytical Chemistry</i> , 2021, 93, 10982-10989.	3.2	4
28	Nanoscale Chemical Imaging of Supported Lipid Monolayers using Tip-Enhanced Raman Spectroscopy. <i>Angewandte Chemie</i> , 2021, 133, 19189-19194.	1.6	5
29	Transition Metal Ion FRET in the Gas Phase: A 10-40 Å... Range Molecular Ruler for Mass-Selected Biomolecular Ions. <i>Journal of the American Chemical Society</i> , 2021, 143, 11291-11295.	6.6	13
30	Screening for potential interaction partners with surface plasmon resonance imaging coupled to MALDI mass spectrometry. <i>Analytical Biochemistry</i> , 2021, 624, 114195.	1.1	3
31	High-mass MALDI-MS unravels ligand-mediated G protein-coupling selectivity to GPCRs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	9
32	Nanoscale Chemical Imaging of Supported Lipid Monolayers using Tip-Enhanced Raman Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19041-19046.	7.2	14
33	In-situ nanospectroscopic imaging of plasmon-induced two-dimensional [4+4]-cycloaddition polymerization on Au(111). <i>Nature Communications</i> , 2021, 12, 4557.	5.8	24
34	Molecular-Scale Chemical Imaging of the Orientation of an On-Surface Coordination Complex by Tip-Enhanced Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2021, 143, 12380-12386.	6.6	21
35	High-Throughput Single-Cell Mass Spectrometry Reveals Abnormal Lipid Metabolism in Pancreatic Ductal Adenocarcinoma. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24534-24542.	7.2	31
36	High-Throughput Single-Cell Mass Spectrometry Reveals Abnormal Lipid Metabolism in Pancreatic Ductal Adenocarcinoma. <i>Angewandte Chemie</i> , 2021, 133, 24739-24747.	1.6	8

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37	Bioaffinity Screening with a Rapid and Sample-Efficient Autosampler for Native Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 13342-13350.	3.2	3
38	Inosine Substitutions in RNA Activate Latent G-Quadruplexes. <i>Journal of the American Chemical Society</i> , 2021, 143, 15120-15130.	6.6	12
39	Validation of breath biomarkers for obstructive sleep apnea. <i>Sleep Medicine</i> , 2021, 85, 75-86.	0.8	14
40	Rapid and reversible control of human metabolism by individual sleep states. <i>Cell Reports</i> , 2021, 37, 109903.	2.9	27
41	Temperature-Controlled Electrospray Ionization: Recent Progress and Applications. <i>Chemistry - A European Journal</i> , 2021, 27, 18015-18028.	1.7	8
42	Introduction: Frontiers of Analytical Science. <i>Chemical Reviews</i> , 2021, 121, 11699-11700.	23.0	2
43	High-Spatial Resolution Atmospheric Pressure Mass Spectrometry Imaging Using Fiber Probe Laser Ablation-Dielectric Barrier Discharge Ionization. <i>Analytical Chemistry</i> , 2021, 93, 14694-14700.	3.2	13
44	Ultrafine Cellulose Nanofiber-Assisted Physical and Chemical Cross-Linking of MXene Sheets for Electromagnetic Interference Shielding. <i>Small Methods</i> , 2021, 5, e2100889.	4.6	59
45	Rapid screening and quantitation of PAHs in water and complex sample matrices by solid-phase microextraction coupled to capillary atmospheric pressure photoionization-mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4656.	0.7	4
46	Differentiation of Cystic Fibrosis-Related Pathogens by Volatile Organic Compound Analysis with Secondary Electrospray Ionization Mass Spectrometry. <i>Metabolites</i> , 2021, 11, 773.	1.3	14
47	Adapting a Fourier Transform Ion Cyclotron Resonance Mass Spectrometer for Gas-Phase Fluorescence Spectroscopy Measurement of Trapped Biomolecular Ions. <i>Analytical Chemistry</i> , 2021, 93, 15626-15632.	3.2	3
48	Molecular Perturbation Effects in AFM-Based Tip-Enhanced Raman Spectroscopy: Contact versus Tapping Mode. <i>Analytical Chemistry</i> , 2021, 93, 15358-15364.	3.2	10
49	Ultrafine Cellulose Nanofiber-Assisted Physical and Chemical Cross-Linking of MXene Sheets for Electromagnetic Interference Shielding ( <i>Small Methods</i> 12/2021). <i>Small Methods</i> , 2021, 5, .	4.6	0
50	Frontispiece: Temperature-Controlled Electrospray Ionization: Recent Progress and Applications. <i>Chemistry - A European Journal</i> , 2021, 27, .	1.7	0
51	How Peptides Dissociate in Plasmonic Hot Spots. <i>Small</i> , 2020, 16, e1905197.	5.2	28
52	Thermomechanical Nanostraining of Two-Dimensional Materials. <i>Nano Letters</i> , 2020, 20, 8250-8257.	4.5	34
53	Nanometre-scale spectroscopic visualization of catalytic sites during a hydrogenation reaction on a Pd/Au bimetallic catalyst. <i>Nature Catalysis</i> , 2020, 3, 834-842.	16.1	84
54	The MscS-like channel YnaI has a gating mechanism based on flexible pore helices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28754-28762.	3.3	30

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55	Infrared and Raman chemical imaging and spectroscopy at the nanoscale. <i>Chemical Society Reviews</i> , 2020, 49, 3315-3347.	18.7	178
56	Volatile organic compound breath signatures of children with cystic fibrosis by real-time SESI-HRMS. <i>ERJ Open Research</i> , 2020, 6, 00171-2019.	1.1	19
57	Tip Recycling for Atomic Force Microscopy-Based Tip-Enhanced Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2020, 74, 1358-1364.	1.2	8
58	Metal Probe Microextraction Coupled to Dielectric Barrier Discharge Ionization-MS Spectrometry for Detecting Drug Residues in Organisms. <i>Analytical Chemistry</i> , 2020, 92, 5921-5928.	3.2	16
59	Interaction analysis of glycoengineered antibodies with CD16a: a native mass spectrometry approach. <i>MABs</i> , 2020, 12, 1736975.	2.6	7
60	Detection of Volatile Organic Compounds with Secondary Electrospray Ionization and Proton Transfer Reaction High-Resolution Mass Spectrometry: A Feature Comparison. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1632-1640.	1.2	20
61	Preserving Plasmonic Nanostructures from Laser-Induced Deactivation by a Protective Dielectric Shell. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6385-6394.	1.5	4
62	Structural Evolution of Iron(III) Trifluoroacetate upon Thermal Decomposition: Chains, Layers, and Rings. <i>Chemistry of Materials</i> , 2020, 32, 2482-2488.	3.2	7
63	A Lateral Salt Bridge for the Specific Assembly of an ABC-Type Collagen Heterotrimer. <i>Journal of the American Chemical Society</i> , 2020, 142, 2208-2212.	6.6	17
64	A MALDI-MS Methodology for Studying Metabolic Heterogeneity of Single Cells in a Population. <i>Methods in Molecular Biology</i> , 2020, 2064, 113-124.	0.4	10
65	Secondary electrospray ionization. , 2020, , 185-199.		5
66	Studying biomolecular folding and binding using temperature-jump mass spectrometry. <i>Nature Communications</i> , 2020, 11, 566.	5.8	29
67	Real-time breath analysis of exhaled compounds upon peppermint oil ingestion by secondary electrospray ionization-high resolution mass spectrometry: technical aspects. <i>Journal of Breath Research</i> , 2020, 14, 046001.	1.5	19
68	A benchmarking protocol for breath analysis: the peppermint experiment. <i>Journal of Breath Research</i> , 2020, 14, 046008.	1.5	41
69	Characterizing the iron loading pattern of ferritin using high-mass matrix-assisted laser desorption ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 1855-1860.	0.7	2
70	Mechanistic Studies on Cationization in MALDI-MS Employing a Split Sample Plate Set-up. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2392-2397.	1.2	4
71	On-Line Analysis of Exhaled Breath. <i>Chemical Reviews</i> , 2019, 119, 10803-10828.	23.0	157
72	Understanding and Optimizing the Ionization of Polycyclic Aromatic Hydrocarbons in Dielectric Barrier Discharge Sources. <i>Analytical Chemistry</i> , 2019, 91, 10694-10701.	3.2	21

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73	Monitoring of antibody glycosylation pattern based on microarray MALDI-TOF mass spectrometry. <i>Journal of Biotechnology</i> , 2019, 302, 77-84.	1.9	5
74	Solution Phase and Surface Photoisomerization of a Hydrazone Switch with a Long Thermal Half-Life. <i>Journal of the American Chemical Society</i> , 2019, 141, 17637-17645.	6.6	30
75	Occurrence and stability of hetero-hexamers formed by $\hat{1}^2$ -carboxysome CcmK shell components. <i>PLoS ONE</i> , 2019, 14, e0223877.	1.1	20
76	Linear and Kinked Oligo(phenyleneethynylene)s as Ideal Molecular Calibrants for Förster Resonance Energy Transfer. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6942-6947.	2.1	9
77	Automated and enhanced extraction of a small molecule-drug conjugate using an enzyme-inhibitor interaction based SPME tool followed by direct analysis by ESI-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7387-7398.	1.9	5
78	Nanoscale Surface Redox Chemistry Triggered by Plasmon-Generated Hot Carriers. <i>Small</i> , 2019, 15, 1903674.	5.2	15
79	Temperature-controlled electrospray ionization mass spectrometry as a tool to study collagen homo- and heterotrimers. <i>Chemical Science</i> , 2019, 10, 9829-9835.	3.7	23
80	Metabolic changes during periodontitis therapy assessed by real-time ambient mass spectrometry. <i>Clinical Mass Spectrometry</i> , 2019, 14, 54-62.	1.9	4
81	Molecular breath analysis supports altered amino acid metabolism in idiopathic pulmonary fibrosis. <i>Respirology</i> , 2019, 24, 437-444.	1.3	40
82	Structure Elucidation of 2D Polymer Monolayers Based on Crystallization Estimates Derived from Tip-Enhanced Raman Spectroscopy (TERS) Polymerization Conversion Data. <i>Journal of the American Chemical Society</i> , 2019, 141, 9867-9871.	6.6	23
83	A Modified Traveling Wave Ion Mobility Mass Spectrometer as a Versatile Platform for Gas-Phase Ion-Molecule Reactions. <i>Analytical Chemistry</i> , 2019, 91, 6624-6631.	3.2	6
84	Characterization of a Nitrogen-Based Dielectric Barrier Discharge Ionization Source for Mass Spectrometry Reveals Factors Important for Soft Ionization. <i>Analytical Chemistry</i> , 2019, 91, 6865-6871.	3.2	31
85	Multi-metal electrohydrodynamic redox 3D printing at the submicron scale. <i>Nature Communications</i> , 2019, 10, 1853.	5.8	125
86	Hydrophobic Moieties Bestow Fast-Folding and Hyperstability on Collagen Triple Helices. <i>Journal of the American Chemical Society</i> , 2019, 141, 5607-5611.	6.6	31
87	Fast screening of illicit drugs in beverages and biological fluids by direct coupling of thin film microextraction to dielectric barrier discharge ionization-mass spectrometry. <i>Analyst</i> , 2019, 144, 2788-2796.	1.7	32
88	A comparative study between a miniaturized liquid junction built in a capillary gap and semi-open capillaries for nL sample infusion to mass spectrometry. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.	1.0	3
89	Real-Time Breath Analysis Reveals Specific Metabolic Signatures of COPD Exacerbations. <i>Chest</i> , 2019, 156, 269-276.	0.4	36
90	Tip-enhanced Raman spectroscopy for structural analysis of two-dimensional covalent monolayers synthesized on water and on Au (111). <i>Chemical Science</i> , 2019, 10, 9673-9678.	3.7	13

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91	Microfluidic Platform for Multimodal Analysis of Enzyme Secretion in Nanoliter Droplet Arrays. <i>Analytical Chemistry</i> , 2019, 91, 2066-2073.	3.2	62
92	Tip-enhanced Raman spectroscopy: principles, practice, and applications to nanospectroscopic imaging of 2D materials. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 37-61.	1.9	104
93	Insights into the Basal Activity and Activation Mechanism of the $\beta_2$ Adrenergic Receptor Using Native Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 529-537.	1.2	12
94	Title is missing!. , 2019, 14, e0223877.		0
95	Title is missing!. , 2019, 14, e0223877.		0
96	Title is missing!. , 2019, 14, e0223877.		0
97	Title is missing!. , 2019, 14, e0223877.		0
98	Native Mass Spectrometry Gives Insight into the Allosteric Binding Mechanism of M2 Pyruvate Kinase to Fructose-1,6-Bisphosphate. <i>Biochemistry</i> , 2018, 57, 1685-1689.	1.2	17
99	Chemical Mapping of Nanodefects within 2D Covalent Monolayers by Tip-Enhanced Raman Spectroscopy. <i>ACS Nano</i> , 2018, 12, 5021-5029.	7.3	45
100	Shell-Isolated Tip-Enhanced Raman and Fluorescence Spectroscopy. <i>Angewandte Chemie</i> , 2018, 130, 7645-7649.	1.6	12
101	Shell-Isolated Tip-Enhanced Raman and Fluorescence Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7523-7527.	7.2	44
102	Translating secondary electrospray ionization- <sup>44</sup> high-resolution mass spectrometry to the clinical environment. <i>Journal of Breath Research</i> , 2018, 12, 027113.	1.5	33
103	Real-time mass spectrometric identification of metabolites characteristic of chronic obstructive pulmonary disease in exhaled breath. <i>Clinical Mass Spectrometry</i> , 2018, 7, 29-35.	1.9	46
104	Mechanistic Understanding Leads to Increased Ionization Efficiency and Selectivity in Dielectric Barrier Discharge Ionization Mass Spectrometry: A Case Study with Perfluorinated Compounds. <i>Analytical Chemistry</i> , 2018, 90, 2725-2731.	3.2	23
105	A quantitative approach for pesticide analysis in grape juice by direct interfacing of a matrix compatible SPME phase to dielectric barrier discharge ionization-mass spectrometry. <i>Analyst</i> , The, 2018, 143, 891-899.	1.7	34
106	High-Throughput Monitoring of Cocaine and Its Metabolites in Hair Using Microarrays for Mass Spectrometry and Matrix-Assisted Laser Desorption/Ionization-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 2302-2309.	3.2	11
107	Solid-Phase Microextraction Coupled to Capillary Atmospheric Pressure Photoionization-Mass Spectrometry for Direct Analysis of Polar and Nonpolar Compounds. <i>Analytical Chemistry</i> , 2018, 90, 5015-5022.	3.2	41
108	Real-time exhaled breath analysis in patients with cystic fibrosis and controls. <i>Journal of Breath Research</i> , 2018, 12, 036013.	1.5	21

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109	Binding Specificities of Nanobody-Membrane Protein Complexes Obtained from Chemical Cross-Linking and High-Mass MALDI Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 5306-5313.	3.2	15
110	Nanoscale Chemical Imaging of Reversible Photoisomerization of an Azobenzene-Thiol Self-Assembled Monolayer by Tip-Enhanced Raman Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1025-1029.	7.2	32
111	Nanoscale Chemical Imaging of Reversible Photoisomerization of an Azobenzene-Thiol Self-Assembled Monolayer by Tip-Enhanced Raman Spectroscopy. <i>Angewandte Chemie</i> , 2018, 130, 1037-1041.	1.6	14
112	Supramolecular Capsules: Strong versus Weak Chalcogen Bonding. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17259-17264.	7.2	117
113	Supramolekulare Kapseln: starke und schwache Chalkogenbrücken im Vergleich. <i>Angewandte Chemie</i> , 2018, 130, 17506-17512.	1.6	33
114	Plasmon-Driven Photocatalysis Leads to Products Known from E-beam and X-ray-Induced Surface Chemistry. <i>Nano Letters</i> , 2018, 18, 6740-6749.	4.5	95
115	Photochemical Creation of Covalent Organic 2D Monolayer Objects in Defined Shapes via a Lithographic 2D Polymerization. <i>ACS Nano</i> , 2018, 12, 11294-11306.	7.3	16
116	Thermal Denaturation of DNA G-Quadruplexes and Their Complexes with Ligands: Thermodynamic Analysis of the Multiple States Revealed by Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2018, 140, 12553-12565.	6.6	78
117	High-throughput screening of PAHs and polar trace contaminants in water matrices by direct solid-phase microextraction coupled to a dielectric barrier discharge ionization source. <i>Analytica Chimica Acta</i> , 2018, 1030, 125-132.	2.6	47
118	Real-Time Monitoring of Tricarboxylic Acid Metabolites in Exhaled Breath. <i>Analytical Chemistry</i> , 2018, 90, 6453-6460.	3.2	44
119	Direct Nanospectroscopic Verification of the Amyloid Aggregation Pathway. <i>Angewandte Chemie</i> , 2018, 130, 8655-8660.	1.6	11
120	Native Electrospray Ionization Mass Spectrometry Reveals Multiple Facets of Aptamer-Ligand Interactions: From Mechanism to Binding Constants. <i>Journal of the American Chemical Society</i> , 2018, 140, 7486-7497.	6.6	42
121	Application of Native ESI-MS to Characterize Interactions between Compounds Derived from Fragment-Based Discovery Campaigns and Two Pharmaceutically Relevant Proteins. <i>SLAS Discovery</i> , 2018, 23, 951-959.	1.4	9
122	Direct Nanospectroscopic Verification of the Amyloid Aggregation Pathway. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8519-8524.	7.2	43
123	Aryl bis-sulfonamides bind to the active site of a homotrimeric isoprenoid biosynthesis enzyme IspF and extract the essential divalent metal cation cofactor. <i>Chemical Science</i> , 2018, 9, 5976-5986.	3.7	8
124	Low-Temperature Wet Conformal Nickel Silicide Deposition for Transistor Technology through an Organometallic Approach. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 4948-4955.	4.0	1
125	Hyperplectonemes: A Higher Order Compact and Dynamic DNA Self-Organization. <i>Nano Letters</i> , 2017, 17, 1938-1948.	4.5	34
126	Introduction: Vibrational Nanoscopy. <i>Chemical Reviews</i> , 2017, 117, 4943-4944.	23.0	6



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127	Structural basis of inhibition of lipid-linked oligosaccharide flippase PglK by a conformational nanobody. <i>Scientific Reports</i> , 2017, 7, 46641.	1.6	23
128	Atmospheric pressure soft ionization for gas chromatography with dielectric barrier discharge ionization-mass spectrometry (GC-DBDI-MS). <i>Analyst</i> , 2017, 142, 1909-1915.	1.7	53
129	Nanoscale Chemical Imaging of Interfacial Monolayers by Tip-Enhanced Raman Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9361-9366.	7.2	32
130	Nanoscale Chemical Imaging of Interfacial Monolayers by Tip-Enhanced Raman Spectroscopy. <i>Angewandte Chemie</i> , 2017, 129, 9489-9494.	1.6	7
131	Single-Cell Mass Spectrometry of Metabolites Extracted from Live Cells by Fluidic Force Microscopy. <i>Analytical Chemistry</i> , 2017, 89, 5017-5023.	3.2	90
132	Intracellular CHO Cell Metabolite Profiling Reveals Steady-State Dependent Metabolic Fingerprints in Perfusion Culture. <i>Biotechnology Progress</i> , 2017, 33, 879-890.	1.3	44
133	Evidence for laser-induced redox reactions in matrix-assisted laser desorption/ionization between cationizing agents and target plate material: a study with polystyrene and trifluoroacetate salts. <i>International Journal of Mass Spectrometry</i> , 2017, 416, 80-89.	0.7	3
134	Single-cell mass spectrometry reveals the importance of genetic diversity and plasticity for phenotypic variation in nitrogen-limited <i>Chlamydomonas</i> . <i>ISME Journal</i> , 2017, 11, 988-998.	4.4	27
135	SPRI-MALDI MS: characterization and identification of a kinase from cell lysate by specific interaction with different designed ankyrin repeat proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1827-1836.	1.9	13
136	Strongly enhanced Raman scattering of Cu-phthalocyanine sandwiched between graphene and Au(111). <i>Chemical Communications</i> , 2017, 53, 724-727.	2.2	6
137	The capillary gap sampler, a new microfluidic platform for direct coupling of automated solid-phase microextraction with ESI-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6873-6883.	1.9	10
138	High-Mass MALDI-MS Analysis for the Investigation of Protein Encapsulation within an Engineered Capsid Forming Protein. <i>Helvetica Chimica Acta</i> , 2017, 100, e1700166.	1.0	3
139	Structural Characterization of a Covalent Monolayer Sheet Obtained by Two-Dimensional Polymerization at an Air/Water Interface. <i>Angewandte Chemie</i> , 2017, 129, 15464-15468.	1.6	5
140	Isotope labeling to determine the dynamics of metabolic response in CHO cell perfusion bioreactors using MALDI-TOF-MS. <i>Biotechnology Progress</i> , 2017, 33, 1630-1639.	1.3	28
141	Mass-Spectrometric Detection of Omega-Oxidation Products of Aliphatic Fatty Acids in Exhaled Breath. <i>Analytical Chemistry</i> , 2017, 89, 10329-10334.	3.2	43
142	Metabolic effects of inhaled salbutamol determined by exhaled breath analysis. <i>Journal of Breath Research</i> , 2017, 11, 046004.	1.5	28
143	Structural Characterization of a Covalent Monolayer Sheet Obtained by Two-Dimensional Polymerization at an Air/Water Interface. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15262-15266.	7.2	39
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