

# Richard N Zare

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/127523/richard-n-zare-publications-by-citations.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

395  
papers

18,264  
citations

72  
h-index

113  
g-index

444  
ext. papers

20,462  
ext. citations

7.6  
avg, IF

7.07  
L-index

#	Paper	IF	Citations
395	Advances in Asphaltene Science and the Yen-Mullins Model. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 3986-4003	4.1	621
394	One-pot synthesis of protein-embedded metal-organic frameworks with enhanced biological activities. <i>Nano Letters</i> , <b>2014</b> , 14, 5761-5	11.5	585
393	Cavity ring-down spectroscopy for quantitative absorption measurements. <i>Journal of Chemical Physics</i> , <b>1995</b> , 102, 2708-2717	3.9	373
392	Optical detection of single molecules. <i>Annual Review of Biophysics and Biomolecular Structure</i> , <b>1997</b> , 26, 567-96		372
391	Drug release from electric-field-responsive nanoparticles. <i>ACS Nano</i> , <b>2012</b> , 6, 227-33	16.7	370
390	UV irradiation of polycyclic aromatic hydrocarbons in ices: production of alcohols, quinones, and ethers. <i>Science</i> , <b>1999</b> , 283, 1135-8	33.3	310
389	Microfluidic platforms for single-cell analysis. <i>Annual Review of Biomedical Engineering</i> , <b>2010</b> , 12, 187-201		258
388	Chemical transformations in individual ultrasmall biomimetic containers. <i>Science</i> , <b>1999</b> , 283, 1892-5	33.3	218
387	Reaction of Cl with vibrationally excited CH <sub>4</sub> and CHD <sub>3</sub> : State-to-state differential cross sections and steric effects for the HCl product. <i>Journal of Chemical Physics</i> , <b>1995</b> , 103, 7313-7335	3.9	211
386	Evidence for Island Structures as the Dominant Architecture of Asphaltenes. <i>Energy &amp; Fuels</i> , <b>2011</b> , 25, 1597-1604	4.1	199
385	Bond-specific chemistry: OD:OH product ratios for the reactions H+HOD(100) and H+HOD(001). <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 8647-8648	3.9	193
384	Optimizing Chemical Reactions with Deep Reinforcement Learning. <i>ACS Central Science</i> , <b>2017</b> , 3, 1337-1348		179
383	Observation and interpretation of a time-delayed mechanism in the hydrogen exchange reaction. <i>Nature</i> , <b>2002</b> , 416, 67-70	50.4	172
382	Selection rules for the photoionization of diatomic molecules. <i>Journal of Chemical Physics</i> , <b>1990</b> , 93, 3033-3038		172
381	Preparation and characterization of monolithic porous capillary columns loaded with chromatographic particles. <i>Analytical Chemistry</i> , <b>1998</b> , 70, 5103-7	7.8	167
380	Radiative lifetimes of the alkaline earth monohalides. <i>Journal of Chemical Physics</i> , <b>1974</b> , 60, 2330-2339	3.9	161
379	Effect of atomic reagent approach geometry on reactivity: Reactions of aligned Ca(1P1) with HCl, Cl <sub>2</sub> , and CCl <sub>4</sub> . <i>Journal of Chemical Physics</i> , <b>1982</b> , 77, 2416-2429	3.9	160

378	Molecular assessment of surgical-resection margins of gastric cancer by mass-spectrometric imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 2436-41	11.5	148
377	Interdisciplinary Research: From Belief to Reality. <i>Science</i> , <b>1999</b> , 283, 642-643	33.3	146
376	Acceleration of reaction in charged microdroplets. <i>Quarterly Reviews of Biophysics</i> , <b>2015</b> , 48, 437-44	7	145
375	MYC oncogene overexpression drives renal cell carcinoma in a mouse model through glutamine metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 6539-44	11.5	139
374	Microdroplet fusion mass spectrometry for fast reaction kinetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 3898-903	11.5	138
373	Effect of reagent orientation and rotation upon product state distribution in the reaction $\text{Sr} + \text{HF}(v=1, J) \rightarrow \text{SrF}(v?, J?) + \text{H}$ . <i>Journal of Chemical Physics</i> , <b>1978</b> , 69, 5199-5201	3.9	135
372	Determination of population and alignment of the ground state using two-photon nonresonant excitation. <i>Journal of Chemical Physics</i> , <b>1986</b> , 85, 6874-6897	3.9	134
371	Picturing the Transition-State Region and Understanding Vibrational Enhancement for the $\text{Cl} + \text{CH}_4 \rightarrow \text{HCl} + \text{CH}_3$ Reaction. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 7938-7947		133
370	Photofragment angular momentum distributions in the molecular frame: Determination and interpretation. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 3341-3350	3.9	131
369	State-to-state reaction rates: $\text{Ba} + \text{HF}(v=0, 1) \rightarrow \text{jBaF}(v=0, 2) + \text{H}$ . <i>Journal of Chemical Physics</i> , <b>1976</b> , 64, 1774-1783	3.9	129
368	Potassium tert-Butoxide-Catalyzed Dehydrogenative C-H Silylation of Heteroaromatics: A Combined Experimental and Computational Mechanistic Study. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6867-6879	16.4	122
367	Direct inelastic scattering of $\text{N}_2$ from $\text{Ag}(111)$ . I. Rotational populations and alignment. <i>Journal of Chemical Physics</i> , <b>1988</b> , 89, 2558-2571	3.9	122
366	Spontaneous generation of hydrogen peroxide from aqueous microdroplets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 19294-19298	11.5	119
365	Packaging and delivering enzymes by amorphous metal-organic frameworks. <i>Nature Communications</i> , <b>2019</b> , 10, 5165	17.4	119
364	Diagnosis of prostate cancer by desorption electrospray ionization mass spectrometric imaging of small metabolites and lipids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 3334-3339	11.5	118
363	Photopolymerized sol-gel monoliths for capillary electrochromatography. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 3921-6	7.8	118
362	Syntheses of Isoquinoline and Substituted Quinolines in Charged Microdroplets. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 14795-9	16.4	117
361	Detecting reaction intermediates in liquids on the millisecond time scale using desorption electrospray ionization. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 250-4	16.4	113

360	Asphaltene Molecular-Mass Distribution Determined by Two-Step Laser Mass Spectrometry <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 1162-1168	4.1	113
359	High-resolution angle- and energy-resolved photoelectron spectroscopy of NO: Partial wave decomposition of the ionization continuum. <i>Journal of Chemical Physics</i> , <b>1989</b> , 91, 2216-2234	3.9	112
358	Optimization of Molecules via Deep Reinforcement Learning. <i>Scientific Reports</i> , <b>2019</b> , 9, 10752	4.9	106
357	Core extraction for measuring state-to-state differential cross sections of bimolecular reactions. <i>Journal of Chemical Physics</i> , <b>1995</b> , 103, 7299-7312	3.9	105
356	State-to-state differential cross sections from photoinitiated bulb reactions. <i>Chemical Physics Letters</i> , <b>1993</b> , 212, 155-162	2.5	102
355	Abiotic production of sugar phosphates and uridine ribonucleoside in aqueous microdroplets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 12396-12400	11.5	101
354	Alteration of the lipid profile in lymphomas induced by MYC overexpression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 10450-5	11.5	99
353	Photofragment helicity caused by matter-wave interference from multiple dissociative states. <i>Science</i> , <b>1998</b> , 281, 1346-9	33.3	99
352	Quantum control of molecular collisions at 1 kelvin. <i>Science</i> , <b>2017</b> , 358, 356-359	33.3	98
351	Effect of vibrational excitation on the molecular beam reactions of Ca and Sr with HF and DF. <i>Journal of Chemical Physics</i> , <b>1978</b> , 68, 3360-3365	3.9	95
350	A search for mode-selective chemistry: The unimolecular dissociation of t-butyl hydroperoxide induced by vibrational overtone excitation. <i>Journal of Chemical Physics</i> , <b>1982</b> , 77, 4447-4458	3.9	94
349	Biased Diffusion, Optical Trapping, and Manipulation of Single Molecules in Solution. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 6512-6513	16.4	93
348	Resonance-enhanced multiphoton ionization of molecular hydrogen via the E,F1 $\sigma^+$ state: Photoelectron energy and angular distributions. <i>Chemical Physics Letters</i> , <b>1984</b> , 105, 22-27	2.5	93
347	Can all bulk-phase reactions be accelerated in microdroplets?. <i>Analyst, The</i> , <b>2017</b> , 142, 1399-1402	5	92
346	Going beyond electrospray: mass spectrometric studies of chemical reactions in and on liquids. <i>Chemical Science</i> , <b>2016</b> , 7, 39-55	9.4	92
345	Comparison of experimental and theoretical integral cross sections for D+H <sub>2</sub> (v=1, j=1)-HD(v=1, j)=H. <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 1648-1662	3.9	92
344	Micrometer-Sized Water Droplets Induce Spontaneous Reduction. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 10585-10589	16.4	91
343	Ionic and Neutral Mechanisms for C-H Bond Silylation of Aromatic Heterocycles Catalyzed by Potassium tert-Butoxide. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6880-6887	16.4	89

342	Laser-Based Mass Spectrometric Assessment of Asphaltene Molecular Weight, Molecular Architecture, and Nanoaggregate Number. <i>Energy &amp; Fuels</i> , <b>2015</b> , 29, 2833-2842	4.1	88
341	Identification of fleeting electrochemical reaction intermediates using desorption electrospray ionization mass spectrometry. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 7274-7	16.4	86
340	Capturing fleeting intermediates in a catalytic C-H amination reaction cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 18295-9	11.5	86
339	Internal-state distribution of recombinative hydrogen desorption from Si(100). <i>Journal of Chemical Physics</i> , <b>1992</b> , 96, 3995-4006	3.9	85
338	Effect of atomic reagent approach geometry on electronic state branching: The Ca(1P1) + HCl reaction. <i>Journal of Chemical Physics</i> , <b>1981</b> , 75, 3636-3637	3.9	80
337	Vibrational control in the reaction of methane with atomic chlorine. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 12714-5	16.4	79
336	On-line preconcentration in capillary electrochromatography using a porous monolith together with solvent gradient and sample stacking. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 5557-63	7.8	79
335	Advances in Capillary Electrochromatography: Rapid and High-Efficiency Separations of PAHs. <i>Analytical Chemistry</i> , <b>1998</b> , 70, 4787-4792	7.8	79
334	Recombinative desorption of H <sub>2</sub> on Si(100)-(2×1) and Si(111)-(7×7): Comparison of internal state distributions. <i>Journal of Chemical Physics</i> , <b>1992</b> , 97, 1520-1530	3.9	79
333	Imaging of Proteins in Tissue Samples Using Nanospray Desorption Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 11171-5	7.8	76
332	Dynamics for the Cl+C <sub>2</sub> H <sub>6</sub> -HCl+C <sub>2</sub> H <sub>5</sub> reaction examined through state-specific angular distributions. <i>Journal of Chemical Physics</i> , <b>1996</b> , 105, 7550-7559	3.9	76
331	Determination of orientation of the ground state using two-photon nonresonant excitation. <i>Journal of Chemical Physics</i> , <b>1988</b> , 88, 6707-6732	3.9	76
330	Measurement of product alignment in beam-gas chemiluminescent reactions. <i>Journal of Chemical Physics</i> , <b>1981</b> , 75, 2222-2230	3.9	76
329	Catalytic Carbonylative Spirolactonization of Hydroxycyclopropanols. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 10693-9	16.4	75
328	Reaction dynamics of atomic chlorine with methane: Importance of methane bending and torsional excitation in controlling reactivity. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 9719-9727	3.9	75
327	Enantiomeric separation of amino acids and nonprotein amino acids using a particle-loaded monolithic column. <i>Electrophoresis</i> , <b>2000</b> , 21, 3145-51	3.6	74
326	Chemoselective Pd-catalyzed oxidation of polyols: synthetic scope and mechanistic studies. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 7593-602	16.4	73
325	Oncogene KRAS activates fatty acid synthase, resulting in specific ERK and lipid signatures associated with lung adenocarcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 4300-4305	11.5	72

324	Spontaneous formation of gold nanostructures in aqueous microdroplets. <i>Nature Communications</i> , <b>2018</b> , 9, 1562	17.4	72
323	Laser-Based Mass Spectrometric Determination of Aggregation Numbers for Petroleum- and Coal-Derived Asphaltenes. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 475-482	4.1	72
322	Adsorption of Crystal Violet to the Silica-Water Interface Monitored by Evanescent Wave Cavity Ring-Down Spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 7070-7075	3.4	72
321	Hadamard Transform Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , <b>1998</b> , 70, 3735-3741	7.8	71
320	Measurements of Cl-atom photofragment angular momentum distributions in the photodissociation of Cl <sub>2</sub> and ICl. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 3351-3359	3.9	71
319	Complete description of two-photon (1+1) <sub>n</sub> ionization of NO deduced from rotationally resolved photoelectron angular distributions. <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 1757-1767	3.9	71
318	Depolarization of optically prepared molecules by two randomly oriented spins. <i>Molecular Physics</i> , <b>1985</b> , 55, 1-9	1.7	69
317	Chemiluminescence detection in capillary electrophoresis. <i>Journal of High Resolution Chromatography</i> , <b>1992</b> , 15, 133-135		67
316	Alignment of CN from 248 nm photolysis of ICN: A new model of the A <sup>+</sup> continuum dissociation dynamics. <i>Journal of Chemical Physics</i> , <b>1987</b> , 87, 303-313	3.9	66
315	Effect of reagent rotation on product energy disposal in the light atom transfer reaction O(3P)+HCl(v=2,J=1,6,9)-OH(v <sub>1</sub> ) <sub>n</sub> +Cl(2P). <i>Journal of Chemical Physics</i> , <b>1991</b> , 94, 2704-2712	3.9	65
314	LprG-mediated surface expression of lipoarabinomannan is essential for virulence of <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004376	7.6	63
313	Measurement of relative state-to-state rate constants for the reaction D+H <sub>2</sub> (v, j)-HD(v <sub>1</sub> ) <sub>n</sub> +H. <i>Journal of Chemical Physics</i> , <b>1992</b> , 97, 7323-7341	3.9	63
312	Effect of reagent translation on the dynamics of the exothermic reaction Ba+HF. <i>Journal of Chemical Physics</i> , <b>1980</b> , 72, 6237-6249	3.9	63
311	Two-Phase Reactions in Microdroplets without the Use of Phase-Transfer Catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 3562-3565	16.4	62
310	Molecular-orbital decomposition of the ionization continuum for a diatomic molecule by angle- and energy-resolved photoelectron spectroscopy. I. Formalism. <i>Journal of Chemical Physics</i> , <b>1996</b> , 104, 4554-4567	3.9	62
309	Alignment and orientation of N <sub>2</sub> scattered from Ag(111). <i>Journal of Chemical Physics</i> , <b>1987</b> , 87, 3247-3249	3.9	62
308	Multiphoton ionization photoelectron spectroscopy of phenol: Vibrational frequencies and harmonic force field for the 2B <sub>1</sub> cation. <i>Journal of Chemical Physics</i> , <b>1985</b> , 82, 5329-5339	3.9	62
307	Comparison of reagent translation and vibration on the dynamics of the endothermic reaction Sr+HF. <i>Journal of Chemical Physics</i> , <b>1980</b> , 72, 6250-6257	3.9	62

306	Lifetime-separated spectroscopy: Observation and rotational analysis of the BaO A <sup>2</sup> 1 $\Sigma$ state. <i>Journal of Chemical Physics</i> , <b>1975</b> , 62, 2050-2059	3.9	62
305	Detection of the short-lived radical cation intermediate in the electrooxidation of N,N-dimethylaniline by mass spectrometry. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 11183-5	16.4	61
304	Is the simplest chemical reaction really so simple?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 15-20	11.5	61
303	Measurement of circular dichroism in rotationally resolved photoelectron angular distributions following the photoionization of NO A <sup>2</sup> 2 $\Sigma$ . <i>Journal of Chemical Physics</i> , <b>1992</b> , 97, 4948-4957	3.9	61
302	Highly active enzyme-metal nanohybrids synthesized in protein-polymer conjugates. <i>Nature Catalysis</i> , <b>2019</b> , 2, 718-725	36.5	60
301	Transient Ru-methyl formate intermediates generated with bifunctional transfer hydrogenation catalysts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 2246-50	11.5	60
300	Abiotic synthesis of purine and pyrimidine ribonucleosides in aqueous microdroplets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 36-40	11.5	59
299	The H+D <sub>2</sub> reaction: Quantum-state distributions at collision energies of 1.3 and 0.55 eV. <i>Journal of Chemical Physics</i> , <b>1989</b> , 91, 7514-7529	3.9	59
298	Cold quantum-controlled rotationally inelastic scattering of HD with H and D reveals collisional partner reorientation. <i>Nature Chemistry</i> , <b>2018</b> , 10, 561-567	17.6	58
297	Comparing Laser Desorption/Laser Ionization Mass Spectra of Asphaltenes and Model Compounds. <i>Energy &amp; Fuels</i> , <b>2010</b> , 24, 3589-3594	4.1	58
296	Pancreatic Cancer Surgical Resection Margins: Molecular Assessment by Mass Spectrometry Imaging. <i>PLoS Medicine</i> , <b>2016</b> , 13, e1002108	11.6	58
295	Strong Electric Field Observed at the Interface of Aqueous Microdroplets. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 7423-7428	6.4	58
294	Polarized photofluorescence excitation spectroscopy. <i>Molecular Physics</i> , <b>1979</b> , 38, 2049-2055	1.7	57
293	Radiative Lifetime of the B <sup>1</sup> $\Sigma$ State of K <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>1970</b> , 53, 3094-3100	3.9	57
292	Differential cross section polarization moments: Location of the D-atom transfer in the transition-state region for the reactions Cl+C <sub>2</sub> D <sub>6</sub> -DCl( $\nu$ ?=0, $J$ ?=1)+C <sub>2</sub> D <sub>5</sub> and Cl+CD <sub>4</sub> -DCl( $\nu$ ?=0, $J$ ?=1)+CD <sub>3</sub> . <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 9392-9405	3.9	56
291	Screening for genetic mutations. <i>Nature</i> , <b>1996</b> , 380, 207	50.4	56
290	Internal-state distributions of H <sub>2</sub> desorbed from mono- and dihydride species on Si(100). <i>Journal of Chemical Physics</i> , <b>1992</b> , 97, 3704-3709	3.9	55
289	Channel-specific angular distributions of HCl and CH <sub>3</sub> products from the reaction of atomic chlorine with stretch-excited methane. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 3232-3242	3.9	54



288	Vibrationally state-selected reactions of ammonia ions. I. $\text{NH}_3(\nu)+\text{D}_2$ . <i>Journal of Chemical Physics</i> , <b>1986</b> , 84, 5527-5535	3.9	54
287	Rapid Hydrogen-Deuterium Exchange in Liquid Droplets. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6851-6854	16.4	53
286	Two-color resonant four-wave mixing: Analytical expressions for signal intensity. <i>Journal of Chemical Physics</i> , <b>1997</b> , 106, 3090-3102	3.9	53
285	The $\text{H}+\text{para-H}_2$ reaction: Influence of dynamical resonances on $\text{H}_2$ ( $\nu=1, j=1$ and $3$ ) integral cross sections. <i>Journal of Chemical Physics</i> , <b>1991</b> , 94, 1069-1080	3.9	53
284	Site-selective bromination of sp C-H bonds. <i>Chemical Science</i> , <b>2018</b> , 9, 100-104	9.4	53
283	The MYC Oncogene Cooperates with Sterol-Regulated Element-Binding Protein to Regulate Lipogenesis Essential for Neoplastic Growth. <i>Cell Metabolism</i> , <b>2019</b> , 30, 556-572.e5	24.6	52
282	Modes of activation of organometallic iridium complexes for catalytic water and C-H oxidation. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 423-33	5.1	52
281	$\text{D}+\text{H}_2(\nu=1, J=1)$ : Rovibronic state to rovibronic state reaction dynamics. <i>Journal of Chemical Physics</i> , <b>1990</b> , 92, 2107-2109	3.9	52
280	2+1 resonantly enhanced multiphoton ionization of CO via the $E 1 \rightarrow 1 \Pi$ transition: From measured ion signals to quantitative population distributions. <i>Journal of Chemical Physics</i> , <b>1990</b> , 93, 8557-8564	3.9	52
279	Measurement of the state-specific differential cross section for the $\text{H}+\text{D}_2\text{-HD}(\nu=4, J=3)+\text{D}$ reaction at a collision energy of 2.2 eV. <i>Journal of Chemical Physics</i> , <b>1995</b> , 103, 5157-5160	3.9	51
278	Effect of breaking cylindrical symmetry on photoelectron angular distributions resulting from resonance-enhanced two-photon ionization. <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 1746-1756	3.9	51
277	High-Resolution Live-Cell Imaging and Analysis by Laser Desorption/Ionization Droplet Delivery Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 5453-61	7.8	51
276	Electrically controlled release of insulin using polypyrrole nanoparticles. <i>Nanoscale</i> , <b>2017</b> , 9, 143-149	7.7	50
275	Personal Information from Latent Fingerprints Using Desorption Electrospray Ionization Mass Spectrometry and Machine Learning. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 1369-1372	7.8	49
274	Droplet spray ionization from a glass microscope slide: real-time monitoring of ethylene polymerization. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 8057-62	7.8	49
273	Fall, recovery, and characterization of the Novato L6 chondrite breccia. <i>Meteoritics and Planetary Science</i> , <b>2014</b> , 49, 1388-1425	2.8	49
272	Minimization of fragmentation and aggregation by laser desorption laser ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2013</b> , 24, 1116-22	3.5	49
271	Nanoaggregates of Diverse Asphaltenes by Mass Spectrometry and Molecular Dynamics. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 9140-9151	4.1	48



270	Assessment and control of organic and other contaminants associated with the Stardust sample return from comet 81P/Wild 2. <i>Meteoritics and Planetary Science</i> , <b>2010</b> , 45, 406-433	2.8	48
269	Determination of population, alignment, and orientation using laser induced fluorescence with unresolved emission. <i>Journal of Chemical Physics</i> , <b>1988</b> , 88, 7357-7368	3.9	48
268	"On-Droplet" Chemistry: The Cycloaddition of Diethyl Azodicarboxylate and Quadricyclane. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 15083-15087	16.4	47
267	Application of ion imaging to the atom-molecule exchange reaction: $H+HI \rightarrow H_2+I$ . <i>Journal of Chemical Physics</i> , <b>1991</b> , 94, 4672-4675	3.9	47
266	Population and alignment of $N_2$ scattered from Ag(111). <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1987</b> , 5, 513-517	2.9	47
265	Catalytic Role of Multinuclear Palladium-Oxygen Intermediates in Aerobic Oxidation Followed by Hydrogen Peroxide Disproportionation. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 13632-46	16.4	46
264	Comparison of the $Ca+HF(DF)$ and $Sr+HF(DF)$ reaction dynamics. <i>Journal of Chemical Physics</i> , <b>1988</b> , 89, 6283-6294	3.9	46
263	Distinguishing malignant from benign microscopic skin lesions using desorption electrospray ionization mass spectrometry imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 6347-6352	11.5	45
262	My life with LIF: a personal account of developing laser-induced fluorescence. <i>Annual Review of Analytical Chemistry</i> , <b>2012</b> , 5, 1-14	12.5	44
261	Injection of ultrasmall samples and single molecules into tapered capillaries. <i>Analytical Chemistry</i> , <b>1997</b> , 69, 1801-7	7.8	44
260	Strategy for on-line preconcentration in chromatographic separations. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 5539-43	7.8	44
259	Speed-Dependent Photofragment Orientation in the Photodissociation of OCS at 223 nm. <i>Journal of Physical Chemistry A</i> , <b>1999</b> , 103, 10144-10148	2.8	44
258	Theoretical study of collinear $Be+FH(v_1) \rightarrow BeF(v_2) +H$ . <i>Journal of Chemical Physics</i> , <b>1978</b> , 69, 3790-3806	3.9	44
257	Characterization of a Hadamard transform time-of-flight mass spectrometer. <i>Review of Scientific Instruments</i> , <b>2000</b> , 71, 1306-1318	1.7	43
256	Integral rate constant measurements of the reaction $H +D_2O \rightarrow HD(v_1) +OD$ . <i>Journal of Chemical Physics</i> , <b>1993</b> , 98, 4636-4643	3.9	43
255	Rotational line strengths for the photoionization of diatomic molecules. <i>Journal of Chemical Physics</i> , <b>1992</b> , 97, 2891-2899	3.9	43
254	Information on the impact parameter dependence of the $Ba+HI \rightarrow jBaI(j_8) +H$ reaction. <i>Journal of Chemical Physics</i> , <b>1986</b> , 85, 856-864	3.9	43
253	Observation of electrochemically generated nitrogen ions by desorption electrospray ionization mass spectrometry. <i>Chemical Science</i> , <b>2016</b> , 7, 329-332	9.4	42

252	A Study of Heterogeneous Catalysis by Nanoparticle-Embedded Paper-Spray Ionization Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 12807-11	16.4	42
251	Effects of different population, orientation, and alignment relaxation rates in resonant four-wave mixing. <i>Journal of Chemical Physics</i> , <b>1996</b> , 104, 3947-3955	3.9	42
250	Fluorescence Polarization Anisotropy in Microdroplets. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 2928-2932	6.4	42
249	Constant Asphaltene Molecular and Nanoaggregate Mass in a Gravitationally Segregated Reservoir. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 3010-3015	4.1	41
248	High-precision optical measurements of <sup>13</sup> C/ <sup>12</sup> C isotope ratios in organic compounds at natural abundance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 10928-32	11.5	41
247	Electroresponsive nanoparticles for drug delivery on demand. <i>Nanoscale</i> , <b>2016</b> , 8, 9310-7	7.7	41
246	Hadamard transform time-of-flight mass spectrometry: more signal, more of the time. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 30-5	16.4	40
245	Molecular tennis--flat smashes and wicked cuts. <i>Accounts of Chemical Research</i> , <b>2000</b> , 33, 199-205	24.3	40
244	The interaction of CO with Ni(111): Rainbows and rotational trapping. <i>Journal of Chemical Physics</i> , <b>1993</b> , 98, 9134-9147	3.9	40
243	Oral squamous cell carcinoma diagnosed from saliva metabolic profiling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 16167-16173	11.5	39
242	Nanomaterial Preparation by Extrusion through Nanoporous Membranes. <i>Small</i> , <b>2018</b> , 14, e1703493	11	39
241	Seemingly anomalous angular distributions in H + D <sub>2</sub> reactive scattering. <i>Science</i> , <b>2012</b> , 336, 1687-90	33.3	39
240	Observation of radiationless processes in a molecular beam. <i>Journal of Chemical Physics</i> , <b>1976</b> , 64, 1242-1243	3.9	39
239	Stark-induced adiabatic Raman passage for preparing polarized molecules. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 024201	3.9	38
238	Angular Distributions for the Cl + C <sub>2</sub> H <sub>6</sub> → HCl + C <sub>2</sub> H <sub>5</sub> Reaction Observed via Multiphoton Ionization of the C <sub>2</sub> H <sub>5</sub> Radical. <i>Journal of Physical Chemistry A</i> , <b>1998</b> , 102, 2270-2273	2.8	38
237	Teaching Effective Communication in a Writing-Intensive Analytical Chemistry Course. <i>Journal of Chemical Education</i> , <b>2003</b> , 80, 904	2.4	38
236	Probing the dynamics of hydrogen recombination on Si(100). <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 5482-5485	3.9	38
235	Relationship between bipolar moments and molecule-frame polarization parameters in Doppler photofragment spectroscopy. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 8751-8754	3.9	37

234	Vibrationally state-selected reactions of ammonia ions. III. $\text{NH}_3(\text{v})+\text{ND}_3$ and $\text{ND}_3(\text{v})+\text{NH}_3$ . <i>Journal of Chemical Physics</i> , <b>1987</b> , 87, 3453-3460	3.9	37
233	Trinuclear Pd $\mu$ intermediate in aerobic oxidation catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 5648-52	16.4	36
232	Biosensors in chemical separations. <i>Annual Review of Biophysics and Biomolecular Structure</i> , <b>1998</b> , 27, 165-98		36
231	State-resolved differential and integral cross sections for the reaction $\text{H}+\text{D}_2\text{-HD}(\text{v}^?=3,\text{j}^?=0\text{M})+\text{D}$ at 1.64 eV collision energy. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 6634-6639	3.9	36
230	Measurement of the $\text{HD}(\text{v}^?=2,\text{J}^?=3)$ product differential cross section for the $\text{H}+\text{D}_2$ exchange reaction at 1.55 $\pm$ 0.05 eV using the photoloc technique. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 1022-1034	3.9	36
229	Angular distribution of product internal states using laser fluorescence detection: The $\text{Ba}+\text{KCl}$ reaction. <i>Journal of Chemical Physics</i> , <b>1976</b> , 64, 2632	3.9	36
228	Electrooxidation of alcohols catalyzed by amino alcohol ligated ruthenium complexes. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 14299-305	16.4	35
227	Preparative microdroplet synthesis of carboxylic acids from aerobic oxidation of aldehydes. <i>Chemical Science</i> , <b>2018</b> , 9, 5207-5211	9.4	35
226	Mechanism of Catalytic Oxidation of Styrenes with Hydrogen Peroxide in the Presence of Cationic Palladium(II) Complexes. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 12495-12503	16.4	34
225	Surface-imprinted polymers in microfluidic devices. <i>Science China Chemistry</i> , <b>2012</b> , 55, 469-483	7.9	34
224	Photolysis of $\text{ICl}$ causes mass-dependent interference in the $\text{Cl}(2\text{P}_{3/2})$ photofragment angular momentum distributions. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 8291-8294	3.9	34
223	Influence of vibrational excitation and collision energy on the ion-molecule reaction $\text{NH}_3(\text{v})+\text{ND}_3$ . <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 3772-3786	3.9	34
222	Rotational and vibrational effects in the $E 1\text{g} \times 1\text{g}$ two-photon transitions of $\text{H}_2$ , $\text{HD}$ , and $\text{D}_2$ . <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 205-213	3.9	34
221	Photodissociation dynamics of triatomic molecules. <i>Molecular Physics</i> , <b>1983</b> , 50, 49-63	1.7	34
220	Optical preparation of $\text{H}_2$ rovibrational levels with almost complete population transfer. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 074204	3.9	33
219	Novel method for the production of finely spaced Bradbury-Nielson gates. <i>Review of Scientific Instruments</i> , <b>2001</b> , 72, 4354-4357	1.7	33
218	Comparison of near-threshold reactivity of ground-state and spin-orbit excited chlorine atoms with methane. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 179-183	3.9	33
217	Aqueous microdroplets containing only ketones or aldehydes undergo Dakin and Baeyer-Villiger reactions. <i>Chemical Science</i> , <b>2019</b> , 10, 10974-10978	9.4	33

216	Chemistry. Resonances in reaction dynamics. <i>Science</i> , <b>2006</b> , 311, 1383-5	33.3	32
215	Distribution of Rovibrational Product States for the Prompt Reaction $H + D_2(v=0, j=0) \rightarrow jHD(v=1, 2, \dots) + D$ near 1.6 eV Collision Energy. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 2228-2233	2.8	32
214	Rotational analysis of congested spectra: Application of population labeling to the Bal $\alpha$ system. <i>Journal of Chemical Physics</i> , <b>1981</b> , 75, 5575-5577	3.9	32
213	Electrically controlled drug release using pH-sensitive polymer films. <i>Nanoscale</i> , <b>2018</b> , 10, 10087-10093	7.7	32
212	Simple model for the electric field and spatial distribution of ions in a microdroplet. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 184702	3.9	31
211	Ultrafast enzymatic digestion of proteins by microdroplet mass spectrometry. <i>Nature Communications</i> , <b>2020</b> , 11, 1049	17.4	31
210	UV photolysis of quinoline in interstellar ice analogs. <i>Meteoritics and Planetary Science</i> , <b>2006</b> , 41, 785-796	6.8	31
209	Differential cross sections for $H + D_2 \rightarrow jHD(v=1, J=1, 5, 8) + D$ at 1.7 eV. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 1035-1042	3.9	31
208	Primitive angular distribution studies of internal states in crossed-beam reactions using laser fluorescence detection. <i>Journal of Chemical Physics</i> , <b>1974</b> , 61, 2464-2465	3.9	31
207	Enhancement of reaction rate in small-sized droplets: A combined analytical and simulation study. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 244704	3.9	31
206	Quantum interference between $H + D_2$ quasiclassical reaction mechanisms. <i>Nature Chemistry</i> , <b>2015</b> , 7, 661-7	17.6	30
205	Syntheses of Isoquinoline and Substituted Quinolines in Charged Microdroplets. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 15008-15012	3.6	30
204	Detecting Reaction Intermediates in Liquids on the Millisecond Time Scale Using Desorption Electro spray Ionization. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 264-268	3.6	30
203	Determination of differential-cross-section moments from polarization-dependent product velocity distributions of photoinitiated bimolecular reactions. <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 9382-9391	3.9	30
202	Anatomy of an Elementary Chemical Reaction. <i>Journal of Chemical Education</i> , <b>1998</b> , 75, 1105	2.4	30
201	Molecular-orbital decomposition of the ionization continuum for a diatomic molecule by angle- and energy-resolved photoelectron spectroscopy. II. Ionization continuum of NO. <i>Journal of Chemical Physics</i> , <b>1996</b> , 104, 4568-4580	3.9	29
200	Microdroplet fusion mass spectrometry: accelerated kinetics of acid-induced chlorophyll demetallation. <i>Quarterly Reviews of Biophysics</i> , <b>2017</b> , 50, e2	7	28
199	Mechanistic analysis of a copper-catalyzed C-H oxidative cyclization of carboxylic acids. <i>Chemical Science</i> , <b>2017</b> , 8, 7003-7008	9.4	28

198	Differential cross sections for H+D <sub>2</sub> -HD ( $v=2, J=0,3,5$ )+D at 1.55 eV. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 2490-2498	3.9	28
197	Condensing water vapor to droplets generates hydrogen peroxide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 30934-30941	11.5	28
196	Celecoxib Nanoparticles for Therapeutic Angiogenesis. <i>ACS Nano</i> , <b>2015</b> , 9, 9416-26	16.7	27
195	Separation of related opiate compounds using capillary electrochromatography. <i>Electrophoresis</i> , <b>2000</b> , 21, 737-42	3.6	27
194	Photoionization dynamics of the NO A $2\pi$ state deduced from energy- and angle-resolved photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 6537-6544	3.9	27
193	Analysis of underivatized amino acids by capillary electrophoresis using constant potential amperometric detection. <i>Electrophoresis</i> , <b>1995</b> , 16, 493-7	3.6	27
192	Effect of sequence length, sequence frequency, and data acquisition rate on the performance of a Hadamard transform time-of-flight mass spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2001</b> , 12, 1302-11	3.5	26
191	Dependence of diatomic photofragment fluorescence polarization on triatomic predissociation lifetime. <i>Molecular Physics</i> , <b>1981</b> , 43, 1419-1428	1.7	26
190	Microdroplets Accelerate Ring Opening of Epoxides. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2018</b> , 29, 1036-1043	3.5	24
189	Construction and calibration of an instrument for three-dimensional ion imaging. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 133503	3.9	24
188	Evidence for inhomogeneous broadening in vibrational overtone transitions: Formation of 1, 3-cyclohexadiene from cis-1, 3, 5-hexatriene. <i>Journal of Chemical Physics</i> , <b>1985</b> , 82, 4791-4801	3.9	24
187	Conductive Polymer Spray Ionization Mass Spectrometry for Biofluid Analysis. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 12878-12885	7.8	24
186	Formation of Polymeric Nanocubes by Self-Assembly and Crystallization of Dithiolane-Containing Triblock Copolymers. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16357-16362	16.4	23
185	Mechanistic analysis of an asymmetric palladium-catalyzed conjugate addition of arylboronic acids to $\beta$ -substituted cyclic enones. <i>Chemical Science</i> , <b>2015</b> , 6, 1917-1922	9.4	23
184	Dynamics of kinematically constrained bimolecular reactions having constant product recoil energy. <i>Journal of Chemical Physics</i> , <b>1987</b> , 86, 3968-3977	3.9	23
183	Chemoselective N-Alkylation of Indoles in Aqueous Microdroplets. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 3069-3072	16.4	23
182	Miniaturized Linear Wire Ion Trap Mass Analyzer. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 7800-6	7.8	23
181	Mechanistic Insights into Two-Phase Radical C-H Arylations. <i>ACS Central Science</i> , <b>2015</b> , 1, 456-462	16.8	22

180	Photodissociation of O <sub>2</sub> via the Herzberg continuum: Measurements of O-atom alignment and orientation. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 10566-10574	3.9	22
179	Measurement of the cross section for H+D <sub>2</sub> -HD( $v=3, j=0$ )+D as a function of angle and energy. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 4662-4670	3.9	22
178	Laser isotope separation using an intracavity absorption technique. <i>Journal of Chemical Physics</i> , <b>1975</b> , 63, 5503-5505	3.9	22
177	Fluorescence of the KH molecule. <i>Journal of Chemical Physics</i> , <b>1974</b> , 60, 1182-1182	3.9	22
176	Direct Copper(III) Formation from O <sub>2</sub> and Copper(I) with Histamine Ligation. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 9986-95	16.4	22
175	Two-Phase Reactions in Microdroplets without the Use of Phase-Transfer Catalysts. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 3616-3619	3.6	21
174	Scale-up of microdroplet reactions by heated ultrasonic nebulization. <i>Chemical Science</i> , <b>2019</b> , 10, 9367-9373	3.7	21
173	HD ( $v = 1, j = 2, m$ ) orientation controls HD-He rotationally inelastic scattering near 1 K. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 174301	3.9	21
172	Coherent superposition of M-states in a single rovibrational level of H <sub>2</sub> by Stark-induced adiabatic Raman passage. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 074201	3.9	21
171	Rotationally resolved photoelectron spectra from vibrational autoionization of NO Rydberg levels. <i>Journal of Chemical Physics</i> , <b>1997</b> , 106, 2239-2247	3.9	21
170	Visualizing Chemistry. <i>Journal of Chemical Education</i> , <b>2002</b> , 79, 1290	2.4	21
169	Construction of a shuttered time-of-flight mass spectrometer for selective ion detection. <i>Review of Scientific Instruments</i> , <b>1989</b> , 60, 717-719	1.7	21
168	Impact of Laboratory-Induced Thermal Maturity on Asphaltene Molecular Structure. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 7025-7036	4.1	20
167	Preparation of a selected high vibrational energy level of isolated molecules. <i>Journal of Chemical Physics</i> , <b>2016</b> , 145, 154203	3.9	20
166	Polymer-spray mass spectrometric detection and quantitation of hydrophilic compounds and some narcotics. <i>Rapid Communications in Mass Spectrometry</i> , <b>2017</b> , 31, 1651-1658	2.2	20
165	Effect of indistinguishable nuclei on product rotational distributions: The H+HI-H <sub>2</sub> +I reaction. <i>Journal of Chemical Physics</i> , <b>1989</b> , 90, 4625-4627	3.9	20
164	Quantitative Determination of HD Internal State Distributions via (2+1) REMPI. <i>Israel Journal of Chemistry</i> , <b>1989</b> , 29, 369-382	3.4	20
163	Scaffold-mediated BMP-2 minicircle DNA delivery accelerated bone repair in a mouse critical-size calvarial defect model. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2016</b> , 104, 2099-107	5.4	20



162	On-demand electrically controlled drug release from resorbable nanocomposite films. <i>Nanoscale</i> , <b>2017</b> , 9, 16429-16436	7.7	19
161	Highly parallel and efficient single cell mRNA sequencing with paired picoliter chambers. <i>Nature Communications</i> , <b>2020</b> , 11, 2118	17.4	19
160	Speciation and decomposition pathways of ruthenium catalysts used for selective C-H hydroxylation. <i>Chemical Science</i> , <b>2014</b> , 5, 3309-3314	9.4	19
159	Detection of the Short-Lived Radical Cation Intermediate in the Electrooxidation of N,N-Dimethylaniline by Mass Spectrometry. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 11335-11337	3.6	19
158	Polycyclic aromatic hydrocarbons in asteroid 2008 TC3: Dispersion of organic compounds inside asteroids. <i>Meteoritics and Planetary Science</i> , <b>2010</b> , 45, 1710-1717	2.8	19
157	Probing Excited Electronic States Using Vibrationally Mediated Photolysis: Application to Hydrogen Iodide. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 7806-7813	2.8	19
156	Nanotip Ambient Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 5542-8	7.8	19
155	Microprobe two-step laser mass spectrometry as an analytical tool for meteoritic samples. <i>Symposium - International Astronomical Union</i> , <b>1997</b> , 178, 305-320		18
154	Patch clamp detection in capillary electrophoresis. <i>Analytical Chemistry</i> , <b>1997</b> , 69, 3427-34	7.8	18
153	Two New Devices for Identifying Electrochemical Reaction Intermediates with Desorption Electro spray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 3191-3198	7.8	17
152	1,4-Benzoquinone antimicrobial agents against and derived from scorpion venom. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 12642-12647	11.5	17
151	In Situ Mass Spectrometric Screening and Studying of the Fleeting Chain Propagation of Aniline. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 7154-7157	7.8	17
150	Communication: transfer of more than half the population to a selected rovibrational state of H <sub>2</sub> by Stark-induced adiabatic Raman passage. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 051101	3.9	17
149	Determination of absolute thermal rate constants for the charge-transfer reaction DBr+(2Π <sub>v</sub> +)+HBr-HBr+(2Π <sub>v</sub> ?) + DBr. <i>Journal of Chemical Physics</i> , <b>1992</b> , 96, 4293-4302	3.9	17
148	Overtone-induced isomerization of allyl isocyanide. <i>Journal of Chemical Physics</i> , <b>1988</b> , 89, 5704-5714	3.9	17
147	Differential Cross Sections for the H + D <sub>2</sub> -jHD(v' = 3, j' = 4-10) + D Reaction above the Conical Intersection. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 12036-42	2.8	16
146	The role of Abcb5 alleles in susceptibility to haloperidol-induced toxicity in mice and humans. <i>PLoS Medicine</i> , <b>2015</b> , 12, e1001782	11.6	16
145	Ultra-low voltage triggered release of an anti-cancer drug from polypyrrole nanoparticles. <i>Nanoscale</i> , <b>2018</b> , 10, 9773-9779	7.7	16

144	Preparation of highly polarized nuclei: Observation and control of time-dependent polarization transfer from HCl35 molecular rotation to Cl35 nuclear spin. <i>Physical Review A</i> , <b>2007</b> , 76,	2.6	16
143	Comparison of microprobe two-step laser desorption/laser ionization mass spectrometry and gas chromatography/ mass spectrometry studies of polycyclic aromatic hydrocarbons in ancient terrestrial rocks. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2001</b> , 12, 989-1001	3.5	16
142	Experimental determination of the specific opacity function for the Ba+HI- $\beta$ al(v=0)+H reaction. <i>Journal of Chemical Physics</i> , <b>1992</b> , 96, 2786-2798	3.9	16
141	Rotational assignment using phase relationships in optical double resonance: The Ba C $2\sigma$ $2\pi$ system. <i>Journal of Chemical Physics</i> , <b>1985</b> , 82, 4449-4459	3.9	16
140	Scattering kinematics: Transformation of differential cross sections between two moving frames. <i>Journal of Chemical Physics</i> , <b>1978</b> , 69, 1737-1741	3.9	16
139	Strong Concentration Enhancement of Molecules at the Interface of Aqueous Microdroplets. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 9938-9944	3.4	16
138	Metabolite therapy guided by liquid biopsy proteomics delays retinal neurodegeneration. <i>EBioMedicine</i> , <b>2020</b> , 52, 102636	8.8	15
137	Monitoring Enzymatic Reactions in Real Time Using Venturi Easy Ambient Sonic-Spray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 6195-8	7.8	15
136	Search for Br* production in the D+DBr reaction. <i>Journal of Chemical Physics</i> , <b>2010</b> , 132, 084301	3.9	15
135	Peak Height Precision in Hadamard Transform Time-of-Flight Mass Spectra. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2005</b> , 16, 1117-1130	3.5	15
134	Correlated energy disposal and scattering dynamics of the Cl CD4(B = 2) reaction. <i>Molecular Physics</i> , <b>2005</b> , 103, 1837-1846	1.7	15
133	Guided ion beam measurement of the product branching ratios for the ion-molecule reaction N <sup>++</sup> O <sub>2</sub> as a function of collision energy. <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 3763-3771	3.9	15
132	Product internal-state distribution for the reaction H+HI-H <sub>2</sub> +I. <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 1663-1670	3.1	15
131	ORIENTATION AND ALIGNMENT OF THE PRODUCTS OF BIMOLECULAR REACTIONS. <i>Advanced Series in Physical Chemistry</i> , <b>1996</b> , 936-1063		15
130	Selective Synthesis in Microdroplets of 2-Phenyl-2,3-dihydrophthalazine-1,4-dione from Phenyl Hydrazine with Phthalic Anhydride or Phthalic Acid. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 1466-1471	4.8	15
129	Differential cross sections for H + D <sub>2</sub> -jHD(v' = 2, j' = 0,3,6,9) + D at center-of-mass collision energies of 1.25, 1.61, and 1.97 eV. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 8175-9	3.6	14
128	Desorption electrospray ionization: achieving rapid sampling rates. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 9035-40	4.0	14
127	Scattering of xenon from Ni(111): Collision-induced corrugation and energy transfer dynamics. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 1975-1983	3.9	14

126	Identification of diagnostic metabolic signatures in clear cell renal cell carcinoma using mass spectrometry imaging. <i>International Journal of Cancer</i> , <b>2020</b> , 147, 256-265	7.5	14
125	Reaction of chloroauric acid with histidine in microdroplets yields a catalytic Au-(His) complex. <i>Chemical Science</i> , <b>2020</b> , 11, 2558-2565	9.4	13
124	Diamondosomes: Submicron Colloidosomes with Nanodiamond Shells. <i>Particle and Particle Systems Characterization</i> , <b>2014</b> , 31, 1067-1071	3.1	13
123	New Developments in Capillary Electrophoresis. Development and Improvement of Capillary Electrophoresis. Formation of a reverse parabolic flow profile with electroosmosis in capillary zone electrophoresis and the behavior of zone progress related to the application of a pulsed electric field. <i>Bunseki Kagaku</i> , <b>1997</b> , 46, 409-414	0.2	13
122	Energy and angular momentum control of the specific opacity functions in the Ba+HI-Bal+H reaction. <i>Journal of Chemical Physics</i> , <b>1996</b> , 104, 7947-7964	3.9	13
121	Quasiclassical trajectory simulation of the kinematically constrained reaction Ba+HI-Bal+H. <i>Journal of Chemical Physics</i> , <b>1992</b> , 97, 6208-6214	3.9	13
120	Mechanistic Study of Ruthenium-Catalyzed C-H Hydroxylation Reveals an Unexpected Pathway for Catalyst Arrest. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 972-980	16.4	13
119	Nonresonant Photons Catalyze Photodissociation of Phenol. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 1067-1073	16.4	13
118	Sprayed water microdroplets containing dissolved pyridine spontaneously generate pyridyl anions.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2200991119 <sup>11.5</sup>	11.5	13
117	Pomeranz-Fritsch Synthesis of Isoquinoline: Gas-Phase Collisional Activation Opens Additional Reaction Pathways. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 14352-14355	16.4	12
116	Mechanistic Analysis of the C-H Amination Reaction of Menthol by CuBr and Selectfluor. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 5681-5687	4.2	12
115	The hydrogen games and other adventures in chemistry. <i>Annual Review of Physical Chemistry</i> , <b>2013</b> , 64, 1-19	15.7	12
114	Disagreement between theory and experiment grows with increasing rotational excitation of HD(v', j') product for the H + D2 reaction. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 094310	3.9	12
113	Dynamics of recombinative desorption of H2 and D2 from Cu(110), Cu(111), and sulfur-covered Cu(111). <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1985</b> , 3, 1649-1654	2.9	12
112	Multiple scattering mechanisms causing interference effects in the differential cross sections of H + D2 -jHD(v' = 4, j') + D at 3.26 eV collision energy. <i>Journal of Chemical Physics</i> , <b>2016</b> , 145, 024308	3.9	12
111	Combining Desorption Electrospray Ionization Mass Spectrometry Imaging and Machine Learning for Molecular Recognition of Myocardial Infarction. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 12198-12206	7.8	12
110	Supersonic beams of mixed gases: A method for studying cold collisions. <i>Chemical Physics</i> , <b>2018</b> , 514, 150-153	2.3	12
109	Influence of Inlet Capillary Temperature on the Microdroplet Chemistry Studied by Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , <b>2019</b> , 123, 7704-7709	2.8	11

108	Generation of Melamine Polymer Condensates upon Hypergolic Ignition of Dicyanamide Ionic Liquids. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 8793-8796	3.6	11
107	Screening of receptor antagonists using agonist-activated patch clamp detection in chemical separations. <i>Analytical Chemistry</i> , <b>1998</b> , 70, 2468-74	7.8	11
106	Quantum mechanical double slit for molecular scattering. <i>Science</i> , <b>2021</b> , 374, 960-964	33.3	11
105	Cell-Type-Specific Metabolic Profiling Achieved by Combining Desorption Electrospray Ionization Mass Spectrometry Imaging and Immunofluorescence Staining. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 13281-13289	7.8	11
104	An Alkaloid from Scorpion Venom: Chemical Structure and Synthesis. <i>Journal of Natural Products</i> , <b>2018</b> , 81, 1899-1904	4.9	10
103	Protein Analysis by Ambient Ionization Mass Spectrometry Using Trypsin-Immobilized Organosiloxane Polymer Surfaces. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 12324-30	7.8	10
102	Glucose-Driven Fuel Cell Constructed from Enzymes and Filter Paper. <i>Journal of Chemical Education</i> , <b>2011</b> , 88, 1283-1286	2.4	10
101	Can stimulated Raman pumping cause large population transfers in isolated molecules?. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 184202	3.9	10
100	Shape resonance determined from angular distribution in $D(v=2, j=2) + He - jD(v=2, j=0) + He$ cold scattering. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 104309	3.9	10
99	$D_n$ -Droplet Chemistry: The Cycloaddition of Diethyl Azodicarboxylate and Quadricyclane. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 15279-15283	3.6	9
98	Stark-induced adiabatic Raman passage examined through the preparation of $D(v=2, j=0)$ and $D(v=2, j=2, m=0)$ . <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 234201	3.9	9
97	Harnessing the Power of Adiabatic Curve Crossing to Populate the Highly Vibrationally Excited $H_{2}(v=7, j=0)$ Level. <i>Physical Review Letters</i> , <b>2020</b> , 124, 163202	7.4	9
96	Stark-induced adiabatic Raman ladder for preparing highly vibrationally excited quantum states of molecular hydrogen. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2017</b> , 50, 144005	1.3	9
95	Trinuclear $Pd_3O_2$ Intermediate in Aerobic Oxidation Catalysis. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 5754-5758	3.6	9
94	Fluorescence polarization of a diatomic fragment following photodissociation of a triatomic precursor. <i>Molecular Physics</i> , <b>1990</b> , 70, 1159-1162	1.7	9
93	A low-temperature source for the generation of uranium vapor. <i>Journal of Chemical Physics</i> , <b>1976</b> , 64, 431-432	3.9	9
92	Spraying Small Water Droplets Acts as a Bactericide. <i>QRB Discovery</i> , <b>2020</b> , 1,	2.7	9
91	Proof of concept for identifying cystic fibrosis from perspiration samples. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 24408-24412	11.5	9

90	Electrocatalytic redox neutral [3 + 2] annulation of -cyclopropylanilines and alkenes. <i>Chemical Science</i> , <b>2020</b> , 12, 969-975	9.4	9
89	Microdroplet Ultrafast Reactions Speed Antibody Characterization. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 3997-4005	7.8	9
88	Photon catalysis of deuterium iodide photodissociation. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 14195-14204	3.6	8
87	An ultrasonically powered implantable device for targeted drug delivery. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2016</b> , 2016, 541-544	0.9	8
86	Challenges of metagenomics and single-cell genomics approaches for exploring cyanobacterial diversity. <i>Photosynthesis Research</i> , <b>2015</b> , 126, 135-46	3.7	8
85	N <sub>2</sub> Product Internal-State Distributions for the Steady-State Reactions of NO with H <sub>2</sub> and NH <sub>3</sub> on the Pt(100) Surface $\square$ <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 8725-8728	3.4	8
84	TWO-STEP LASER MASS SPECTROMETRY. <i>Advances in Multi-photon Processes and Spectroscopy</i> , <b>1991</b> , 1-167		8
83	Numerical computation of 9-j symbols. <i>Molecular Physics</i> , <b>1988</b> , 65, 1263-1268	1.7	8
82	Angular and internal state distributions of H <sub>2</sub> (+) generated by (2 + 1) resonance enhanced multiphoton ionization of H <sub>2</sub> using time-of-flight mass spectrometry. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 214201	3.9	8
81	Early detection of unilateral ureteral obstruction by desorption electrospray ionization mass spectrometry. <i>Scientific Reports</i> , <b>2019</b> , 9, 11007	4.9	7
80	Simultaneous Measurement of Reactive and Inelastic Scattering: Differential Cross Section of the H + HD -jHD(v?, j?) + H Reaction. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2013</b> , 227,	3.1	7
79	Formation of Polymeric Nanocubes by Self-Assembly and Crystallization of Dithiolane-Containing Triblock Copolymers. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16575-16580	3.6	7
78	Design and characterization of a late-mixing pulsed nozzle. <i>Review of Scientific Instruments</i> , <b>2004</b> , 75, 556-558	1.7	7
77	Capillary electrophoresis separation and native laser-induced fluorescence detection of metallotexaphyrins. <i>Journal of Separation Science</i> , <b>2002</b> , 25, 819-824	3.4	7
76	Vibrational and Translational Energy Effects in the Reaction of Ammonia Ions with Water Molecules. <i>Journal of Physical Chemistry A</i> , <b>1998</b> , 102, 9593-9598	2.8	7
75	Effect of intensity on fragment internal state distributions in the infrared multiphoton dissociation of vinyl cyanide. <i>Journal of Chemical Physics</i> , <b>1982</b> , 76, 2390-2398	3.9	7
74	Adipocytes Provide Fatty Acids to Acute Lymphoblastic Leukemia Cells. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 665763	5.3	7
73	Teflon Spray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2020</b> , 31, 234-239	3.5	6

72	Real-time mass-spectrometric screening of droplet-scale electrochemical reactions. <i>Analyst, The</i> , <b>2018</b> , 143, 4247-4250	5	6
71	On the Love of Teaching and the Challenge of Online Learning: A Few Reflections. <i>Journal of Chemical Education</i> , <b>2000</b> , 77, 1106	2.4	6
70	Reaction of state-selected ammonia ions with methane. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 2507-2512	3.9	6
69	Where's the Chemistry in Science Museums?. <i>Journal of Chemical Education</i> , <b>1996</b> , 73, A198	2.4	6
68	Spatial localization of charged molecules by salt ions in oil-confined water microdroplets. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	6
67	Accelerated Oxidation of Organic Sulfides by Microdroplet Chemistry. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 5011-5015	4.2	6
66	The CM carbonaceous chondrite regolith Diepenveen. <i>Meteoritics and Planetary Science</i> , <b>2019</b> , 54, 1431-1461	4.6	5
65	A Study of Heterogeneous Catalysis by Nanoparticle-Embedded Paper-Spray Ionization Mass Spectrometry. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 12999-13003	3.6	5
64	Absolute Quantitation of Oxidizable Peptides by Coulometric Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2019</b> , 30, 2398-2407	3.5	5
63	On-Column Radioisotope Detection for Capillary Electrophoresis. <i>ACS Symposium Series</i> , <b>1990</b> , 60-89	0.4	5
62	Restricted intramolecular rotation of fluorescent molecular rotors at the periphery of aqueous microdroplets in oil. <i>Scientific Reports</i> , <b>2020</b> , 10, 16859	4.9	5
61	Mechanistic Study of Isotactic Poly(propylene oxide) Synthesis using a Tethered Bimetallic Chromium Salen Catalyst. <i>ACS Catalysis</i> , <b>2020</b> , 10, 8960-8967	13.1	5
60	Effects of Weak Electrolytes on Electric Double Layer Ion Distributions. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 8302-8306	6.4	5
59	Effect of relative humidity on hydrogen peroxide production in water droplets. <i>QRB Discovery</i> , 1-14	2.7	5
58	Upgrading Asphaltenes by Oil Droplets Striking a Charged TiO <sub>2</sub> -Immobilized Paper Surface. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 12685-12690	4.1	4
57	Strange Fizzical Attraction. 2004 James Flack Norris Award, sponsored by the Northeastern Section of the ACS. <i>Journal of Chemical Education</i> , <b>2005</b> , 82, 673	2.4	4
56	Application of Ion Chromatography to the Investigation of Real-World Samples. <i>Journal of Chemical Education</i> , <b>2004</b> , 81, 1299	2.4	4
55	Microprobe laser mass spectrometry studies of polycyclic aromatic hydrocarbon distributions on harbor sediments and coals. <i>Israel Journal of Chemistry</i> , <b>2001</b> , 41, 105-110	3.4	4



54	Microdroplets can act as electrochemical cells.. <i>Journal of Chemical Physics</i> , <b>2022</b> , 156, 054705	3.9	4
53	Nanoparticles decorated with granulocyte-colony stimulating factor for targeting myeloid cells. <i>Nanoscale</i> , <b>2020</b> , 12, 2752-2763	7.7	4
52	Stark-Induced Adiabatic Passage Processes to Selectively Prepare Vibrationally Excited Single and Superposition of Quantum States <b>2018</b> , 1-46		4
51	Hydrogen-Deuterium Exchange Desorption Electrospray Ionization Mass Spectrometry Visualizes an Acidic Tumor Microenvironment. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 10411-10417	7.8	4
50	Strong, Nonresonant Radiation Enhances - Photoisomerization of Stilbene in Solution. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 5999-6008	2.8	3
49	Quantum interference in chemical reactions. <i>Physics Today</i> , <b>2018</b> , 71, 70-71	0.9	3
48	Performance of chemically modified plastic blood collection tubes. <i>Clinical Biochemistry</i> , <b>2016</b> , 49, 90-9	3.5	3
47	Why some pool shots are more difficult than others <b>2014</b> , 19, 116-122		3
46	Measurement of the rotational distribution for the OD product from the reaction ND <sub>3</sub> <sup>++</sup> D <sub>2</sub> O-JND <sub>4</sub> <sup>++</sup> OD under translationally thermal conditions. <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 772-778	3.9	3
45	Vibrational and collisional energy effects in the reaction of ammonia ions with methylamine. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 124-132	3.9	3
44	SU086, an inhibitor of HSP90, impairs glycolysis and represents a treatment strategy for advanced prostate cancer.. <i>Cell Reports Medicine</i> , <b>2022</b> , 3, 100502	18	3
43	Chemoselective N-Alkylation of Indoles in Aqueous Microdroplets. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 3093-3096	3.0	3
42	A Bi-Axial Quantum State That Controls Molecular Collisions Like a Double-Slit Interferometer. <i>Frontiers in Physics</i> , <b>2021</b> , 9,	3.9	3
41	Location of carbon-carbon double bonds in unsaturated lipids using microdroplet mass spectrometry. <i>Analyst, The</i> , <b>2021</b> , 146, 2550-2558	5	3
40	Carl Djerassi (1923-2015). <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 5001-2	16.4	2
39	Irradiation of Dye-Doped Microspheres with a Strongly Focused Laser Beam Results in Alignment upon Optical Trapping. <i>Nano Letters</i> , <b>2002</b> , 2, 207-210	11.5	2
38	Determination of Photodestruction Quantum Yields Using Capillary Electro-Phoresis: Application to o-Phthalaldehyde/Mercaptoethanol-Labeled Amino Acids. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>1995</b> , 18, 3833-3846		2
37	Field programming to achieve uniform sensitivity for on-line detection in electrophoresis. <i>Electrophoresis</i> , <b>1994</b> , 15, 225-7	3.6	2

36	Effect of pulse intensity distributions on fragment internal energy in the infrared multiphoton dissociation of vinyl cyanide. <i>Journal of Chemical Physics</i> , <b>1982</b> , 77, 2895-2901	3.9	2
35	HYDROGEN RECOMBINATIVE DESORPTION DYNAMICS. <i>Advanced Series in Physical Chemistry</i> , <b>1995</b> , 977-1043		2
34	Coulometry-assisted quantitation in spray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2020</b> , 56, e4628	2.2	2
33	Peptide and protein assays using customizable bio-affinity arrays combined with ambient ionization mass spectrometry. <i>Chemical Science</i> , <b>2021</b> , 12, 10810-10816	9.4	2
32	Quantitative detection of hydrogen peroxide in rain, air, exhaled breath, and biological fluids by NMR spectroscopy.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119,	11.5	2
31	Cooperative catalysis by a single-atom enzyme-metal complex.. <i>Nature Communications</i> , <b>2022</b> , 13, 2189	17.4	2
30	Coherent Preparation of Highly Vibrating and Rotating D2 Molecules. <i>Journal of Physical Chemistry Letters</i> , 4682-4687	6.4	2
29	Amerikanische Universitäten in Gefahr. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 121-122	3.6	1
28	Reaction dynamics: concluding remarks. <i>Faraday Discussions</i> , <b>2012</b> , 157, 501-4	3.6	1
27	No More Pencils, No More Books. <i>Journal of Chemical Education</i> , <b>2009</b> , 86, 142	2.4	1
26	Questions to Chemical Educators from the Chemistry Community. <i>ACS Symposium Series</i> , <b>2008</b> , 11-18	0.4	1
25	Softening of fused-silica capillaries during particle packing. <i>Electrophoresis</i> , <b>2000</b> , 21, 1430-1	3.6	1
24	Spinning molecules to bits. <i>Nature</i> , <b>2000</b> , 407, 33-4	50.4	1
23	Laser Fluorometric Determination of Aflatoxin B1 in Corn. <i>Journal of the Association of Official Analytical Chemists</i> , <b>1979</b> , 62, 564-569		1
22	Introducing Nafion for Desalting and Biofluid Profiling in Spray Mass Spectrometry.. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 807244	5	1
21	Detection of Concealed Explosive. <i>Science</i> , <b>1990</b> , 248, 1471-1472	33.3	1
20	What Role Does the Electric Double Layer Play in Redox Reactions at Planar Electrostatically Charged Insulating Surfaces?. <i>Topics in Catalysis</i> , 1	2.3	1
19	Spraying Model PAHs on a Charged TiO2 Surface for High-Efficiency Degradation. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 4289-4295	4.1	1

18	In situ DESI-MSI lipidomic profiles of mucosal margin of oral squamous cell carcinoma. <i>EBioMedicine</i> , <b>2021</b> , 70, 103529	8.8	1
17	Polymer substrate with surface solvent reservoir for polymer-spray mass spectrometric analysis of hydrophilic drugs. <i>Talanta Open</i> , <b>2021</b> , 4, 100048	5.6	1
16	American universities at risk. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 112-3	16.4	0
15	Making Materials That Hate Water to Love Water: The Transformative Power of Chemistry. <i>Molecular Frontiers Journal</i> , <b>2017</b> , 01, 10-15	0.9	0
14	Effect of Relative Humidity in Air on the Transmission of Respiratory Viruses. <i>Molecular Frontiers Journal</i> , 1-12	0.9	0
13	SDHB knockout and succinate accumulation are insufficient for tumorigenesis but dual SDHB/NF1 loss yields SDHx-like pheochromocytomas.. <i>Cell Reports</i> , <b>2022</b> , 38, 110453	10.6	0
12	The perils of machine learning in designing new chemicals and materials. <i>Nature Machine Intelligence</i> , <b>2022</b> , 4, 314-315	22.5	0
11	Fall and rise of a D2O ice cube in liquid H2O <b>2016</b> , 21, 453-456		
10	Carl Djerassi (1923-2015). <i>Angewandte Chemie</i> , <b>2015</b> , 127, 5085-5086	3.6	
9	Charting a Course for Chemistry Education. <i>Journal of Chemical Education</i> , <b>2009</b> , 86, 145	2.4	
8	D + C(CH <sub>3</sub> ) <sub>4</sub> -jHD (v ?, j ?) + C(CH <sub>3</sub> ) <sub>3</sub> CH <sub>2</sub> : possible concerted flow of vibration energy into translation. <i>Molecular Physics</i> , <b>2012</b> , 110, 1713-1720	1.7	
7	Collaborative Research: The Good, the Bad, and the Beautiful. <i>ACS Symposium Series</i> , <b>2007</b> , 259-270	0.4	
6	Nanocosm. Nanotechnology and the Big Changes Coming from the Inconceivably Small. Von William Illsey Atkinson.. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 3594-3594	3.6	
5	Buchbesprechung: Oxygen. Von Carl Djerassi und Roald Hoffmann.. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 2025-2026		
4	CONCENTRATION GRADIENTS INSIDE MICRODROPLETS <b>2020</b> , 2020, 212-213		
3	Making Materials That Hate Water to Love Water: The Transformative Power of Chemistry <b>2019</b> , 269-281		
2	Detection of Concealed Explosive. <i>Science</i> , <b>1990</b> , 248, 1471-1472	33.3	
1	Azapodophyllotoxin Causes Lymphoma and Kidney Cancer Regression by Disrupting Tubulin and Monoglycerols.. <i>ACS Medicinal Chemistry Letters</i> , <b>2022</b> , 13, 615-622	4.3	

