

Jongcheol Seo

List of Publications by Year in descending order

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45
papers

1,177
citations

471509

17
h-index

377865

34
g-index

46
all docs

46
docs citations

46
times ranked

1671
citing authors

#	ARTICLE	IF	CITATIONS
1	Protomers of Benzocaine: Solvent and Permittivity Dependence. <i>Journal of the American Chemical Society</i> , 2015, 137, 4236-4242.	13.7	172
2	An infrared spectroscopy approach to follow β -sheet formation in peptide amyloid assemblies. <i>Nature Chemistry</i> , 2017, 9, 39-44.	13.6	163
3	Retention of Native Protein Structures in the Absence of Solvent: A Coupled Ion Mobility and Spectroscopic Study. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14173-14176.	13.8	106
4	Rules and trends of metal cation driven hydride-transfer mechanisms in metal amidoboranes. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5446.	2.8	67
5	The Structure of the Protonated Serine Octamer. <i>Journal of the American Chemical Society</i> , 2018, 140, 7554-7560.	13.7	67
6	The impact of environment and resonance effects on the site of protonation of aminobenzoic acid derivatives. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25474-25482.	2.8	66
7	Infrared spectrum and structure of the homochiral serine octamer-dichloride complex. <i>Nature Chemistry</i> , 2017, 9, 1263-1268.	13.6	56
8	Anisotropic Etching of Semiconductor Nanocrystals. <i>Chemistry of Materials</i> , 2011, 23, 5029-5036.	6.7	53
9	Host-Guest Chemistry from Solution to the Gas Phase: An Essential Role of Direct Interaction with Water for High-Affinity Binding of Cucurbit[5]urils. <i>Journal of Physical Chemistry B</i> , 2013, 117, 8855-8864.	2.6	50
10	Shell and ligand-dependent blinking of CdSe-based core/shell nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9312.	2.8	41
11	Superacid-Mediated Functionalization of Hydroxylated Cucurbit[5]urils. <i>Journal of the American Chemical Society</i> , 2019, 141, 17503-17506.	13.7	33
12	An Intrinsic Hydrophobicity Scale for Amino Acids and Its Application to Fluorinated Compounds. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8216-8220.	13.8	30
13	Stacking Geometries of Early Protoporphyrin IX Aggregates Revealed by Gas-Phase Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , 2016, 138, 16315-16321.	13.7	29
14	Lasso Proteins: Modular Design, Cellular Synthesis, and Topological Transformation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19153-19161.	13.8	24
15	Structural Characterization of Molybdenum Oxide Nanoclusters Using Ion Mobility Spectrometry-Mass Spectrometry and Infrared Action Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7845-7853.	3.1	20
16	Side-chain effects on the structures of protonated amino acid dimers: A gas-phase infrared spectroscopy study. <i>International Journal of Mass Spectrometry</i> , 2018, 429, 115-120.	1.5	18
17	Noncovalent Binding between Fullerenes and Protonated Porphyrins in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11376-11385.	2.5	17
18	Hierarchical Self-Assembly of Poly-pseudorotaxanes into Artificial Microtubules. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3460-3464.	13.8	16

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19	From Compact to Stringâ€”The Role of Secondary and Tertiary Structure in Charge-Induced Unzipping of Gas-Phase Proteins. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 638-646.	2.8	15
20	Annulative Î€-Extension of Unactivated Benzene Derivatives through Nondirected Câ€”H Arylation. <i>Organic Letters</i> , 2019, 21, 7004-7008.	4.6	14
21	Mass-Balanced ¹ H/ ² H Isotope Dipeptide Tag for Simultaneous Protein Quantitation and Identification. <i>Analytical Chemistry</i> , 2008, 80, 6145-6153.	6.5	13
22	Specific and nonspecific bindings of alkaline-earth metal ions to guanine-quadruplex thrombin-binding aptamer DNA. <i>International Journal of Mass Spectrometry</i> , 2012, 330-332, 262-270.	1.5	13
23	Assessing the stability of alanine-based helices by conformer-selective IR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19950-19954.	2.8	13
24	Metabolite trafficking enables membrane-impermeable-terpene secretion by yeast. <i>Nature Communications</i> , 2022, 13, 2605.	12.8	12
25	Visualization of lipophagy using a supramolecular FRET pair. <i>Chemical Communications</i> , 2021, 57, 12179-12182.	4.1	11
26	Nickelocene as an Air- and Moisture-Tolerant Precatalyst in the Regioselective Synthesis of Multisubstituted Pyridines. <i>Journal of Organic Chemistry</i> , 2021, 86, 9328-9343.	3.2	9
27	The Kinetics of Competing Multiple-Barrier Unimolecular Dissociations of o-, m-, and p-Chlorotoluene Radical Cations. <i>Journal of Physical Chemistry A</i> , 2008, 112, 6877-6883.	2.5	8
28	Aliphatic dipeptide tags for multi-2-plex protein quantification. <i>Analyst</i> , 2011, 136, 1614.	3.5	5
29	Quantification of Tryptic Peptides in Quadrupole Ion Trap Using High-Mass Signals Derived from Isotope-Coded <i>N</i> -Acetyl Dipeptide Tags. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 1668-77.	2.8	5
30	Multiâ€”functional MBIT for peptide tandem mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2015, 34, 209-218.	5.4	4
31	N-Acylated Dipeptide Tags Enable Precise Measurement of Ion Temperature in Peptide Fragmentation. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13982-13990.	2.6	3
32	Conformational Shift of a Î²â€”Hairpin Peptide upon Complex Formation with an Oligoâ€”proline Peptide Studied by Mass Spectrometry. <i>ChemistrySelect</i> , 2016, 1, 3651-3656.	1.5	3
33	Die Erhaltung nativer Proteinstrukturen unter Ausschluss von LÃ¶sungsmittel: eine Untersuchung mit Hilfe der Kombination von IonenmobilitÃ¤t mit Spektroskopie. <i>Angewandte Chemie</i> , 2016, 128, 14380-14384.	2.0	3
34	Hierarchical Selfâ€”Assembly of Polyâ€”pseudorotaxanes into Artificial Microtubules. <i>Angewandte Chemie</i> , 2020, 132, 3488-3492.	2.0	3
35	Collisional activation of ions by off-resonance irradiation in ion cyclotron resonance spectrometry. <i>International Journal of Mass Spectrometry</i> , 2009, 283, 185-190.	1.5	2
36	Coupled Unimolecular Dissociation Kinetics of Bromotoluene Radical Cations. <i>Journal of Physical Chemistry A</i> , 2013, 117, 11924-11932.	2.5	2

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37	IM-MS for Supramolecular Systems: Structures and Dynamics of Noncovalent Complexes From Solution to Gas Phase. <i>Comprehensive Analytical Chemistry</i> , 2019, 83, 197-236.	1.3	2
38	Eine intrinsische Hydrophobieskala für Aminosäuren und ihre Anwendung auf fluoridierte Verbindungen. <i>Angewandte Chemie</i> , 2019, 131, 8300-8304.	2.0	2
39	Focused Electrospray Deposition for Matrix-assisted Laser Desorption/Ionization Mass Spectrometry. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 2293-2298.	1.9	2
40	Cobalt-Catalyzed Formation of Grignard Reagents via C–O or C–S Bond Activation. <i>Journal of Organic Chemistry</i> , 0, , .	3.2	2
41	Label-free measurement of the yeast short chain TAG lipase activity by ESI-MS after one-step esterification. <i>Journal of Lipid Research</i> , 2017, 58, 625-631.	4.2	1
42	Effects of intramolecular hydrogen bonds on the collision-induced dissociation of tryptic peptide ions. <i>International Journal of Mass Spectrometry</i> , 2019, 435, 272-279.	1.5	1
43	Energy- and Time-Dependent Branching to Competing Paths in Coupled Unimolecular Dissociations of Chlorotoluene Radical Cations. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 833-838.	1.9	1
44	Reaktitelbild: Die Erhaltung nativer Proteinstrukturen unter Ausschluss von Lösungsmittel: eine Untersuchung mit Hilfe der Kombination von Ionenmobilität mit Spektroskopie (<i>Angew. Chem.</i> 45/2016). <i>Angewandte Chemie</i> , 2016, 128, 14386-14386.	2.0	0
45	Lasso Proteins: Modular Design, Cellular Synthesis, and Topological Transformation. <i>Angewandte Chemie</i> , 2020, 132, 19315-19323.	2.0	0