Toshimichi Shibue

List of Publications by Year
in descending order

48	876	623734	477307
papers	citations	14 h-index	29 g-index

49	49	49	895
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonpolar Water Clusters: Proton Nuclear Magnetic Resonance Spectroscopic Evidence for Transformation from Polar Water to Nonpolar Water Clusters in Liquid State. Journal of Physical Chemistry Letters, 2021, 12, 276-279.	4.6	4
2	Two States of Water Converge to One State below 215 K. Journal of Physical Chemistry Letters, 2021, 12, 5802-5806.	4.6	3
3	Preparation of microporous glass fiber cloth without cracking. Journal of the Ceramic Society of Japan, 2021, 129, 438-442.	1.1	2
4	Hydration and dehydration of water of bentonite: A solid-state 1H magic-angle spinning NMR study. Chemical Physics, 2020, 536, 110796.	1.9	8
5	Supercooled Low-Entropy Water Clusters. Journal of Physical Chemistry Letters, 2020, 11, 3667-3671.	4.6	4
6	Fibrous Materials Made of Poly(Îµ-caprolactone)/Poly(ethylene oxide)-b-Poly(Îµ-caprolactone) Blends Support Neural Stem Cells Differentiation. Polymers, 2019, 11, 1621.	4.5	14
7	A New Methodology to Create Polymeric Nanocarriers Containing Hydrophilic Low Molecular-Weight Drugs: A Green Strategy Providing a Very High Drug Loading. Molecular Pharmaceutics, 2019, 16, 2892-2901.	4.6	16
8	Triboionization: a Novel Ionization Method by Peeling of Cohesive Substances for Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2019, 30, 1503-1511.	2.8	3
9	Long-lived water clusters in hydrophobic solvents investigated by standard NMR techniques. Scientific Reports, 2019, 9, 223.	3.3	26
10	Water-Induced Phase Transition in Cyclohexane/n-Hexanol/Triton X-100 Mixtures at a Molar Composition of 1/16/74 Studied by NMR. Journal of Physical Chemistry B, 2017, 121, 876-882.	2.6	11
11	Energy decomposition analysis of the interactions in adduct ions of acetophenone and Na+, NH4+ and H+ in the gas phase. Chemical Physics Letters, 2017, 684, 20-23.	2.6	3
12	Aggregation Number in Water/n-Hexanol Molecular Clusters Formed in Cyclohexane at Different Water/n-Hexanol/Cyclohexane Compositions Calculated by Titration 1H NMR. Journal of Physical Chemistry B, 2017, 121, 10285-10291.	2.6	5
13	Energy-decomposition analysis of ion-neutral complexes along reaction coordinates of unimolecular proton-transfer reaction in gas phase: Comparison between 2-butanol radical ion and protonated 2-ethoxypropane ion. Chemical Physics Letters, 2017, 686, 124-130.	2.6	0
14	Observed adducts on positive mode direct analysis in real time mass spectrometry â€“ Proton/ammonium adduct selectivities of 600-sample in-house chemical library. European Journal of Mass Spectrometry, 2017, 23, 4-10.	1.0	9
15	Representation of the coverage of mass spectrometry ionization methods in two-dimensional plots of molecular weight and polarity or dipole moment. Journal of Mass Spectrometry, 2016, 51, 583-585.	1.6	2
16	Correlation between 1H NMR chemical shifts of hydroxyl protons in n-hexanol/cyclohexane and molecular association properties investigated using density functional theory. Chemical Physics Letters, 2016, 644, 276-279.	2.6	9
17	Stability of Water/Poly(ethylene oxide)43-b-poly(Îµ-caprolactone)14/Cyclohexanone Emulsions Involves Water Exchange between the Core and the Bulk. Journal of Physical Chemistry B, 2015, 119, 15929-15937.	2.6	4
18	Comparison of the Applicability of Mass Spectrometer Ion Sources Using a Polarityâ€"Molecular Weight Scattergram with a 600-Sample In-House Chemical Library. European Journal of Mass Spectrometry, 2015, 21, 91-96.	1.0	10

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19	Prediction of Adducts on Positive Mode Electrospray Ionization Mass Spectrometry: Proton/Sodium Selectivity in Methanol Solutions. European Journal of Mass Spectrometry, 2015, 21, 725-731.	1.0	13
20	Alkoxysiloxane Oligomer as Reference of Density Functional Theory Calculation for ²⁹Si-NMR Sol-Gel Chemistry. Bunseki Kagaku, 2015, 64, 379-383.	0.2	0
21	Photochromic Solid Materials Based on Poly(decylviologen) Complexed with Alginate and Poly(sodium 4-styrenesulfonate). Journal of Physical Chemistry B, 2015, 119, 13208-13217.	2.6	14
22	Self-association of 5,10,15,20-tetrakis-(4-sulfonatophenyl)-porphyrin tuned by poly(decylviologen) and sulfobutylether-Î²-cyclodextrin. Dyes and Pigments, 2015, 112, 262-273.	3.7	15
23	Topotactic Conversion of Î²â€Helixâ€Layered Silicate into ASTâ€Type Zeolite through Successive Interlayer Modifications. Chemistry - A European Journal, 2014, 20, 1893-1900.	3.3	26
24	n-Hexanol association in cyclohexane studied by NMR and NIR spectroscopies. Journal of Molecular Liquids, 2014, 199, 301-308.	4.9	11
25	Fluorescent Dimer and Fiber of meso-Tetrakis{o-(isonicotinoylamino)phenyl}porphyrin Connected by Pd(II) Coordinations. Chemistry Letters, 2014, 43, 1008-1010.	1.3	2
26	Practical Conversion of Chlorosilanes into Alkoxysilanes without Generating HCl. Angewandte Chemie - International Edition, 2011, 50, 10708-10711.	13.8	38
27	Estimation for diameter of superparamagnetic particles in Daphnia resting eggs. Biophysics (Nagoya-shi, Japan), 2010, 6, 53-57.	0.4	1
28	Binding of Methylene Blue to Polyelectrolytes Containing Sulfonate Groups. Macromolecular Chemistry and Physics, 2009, 210, 1167-1175.	2.2	60
29	Aromaticâ^'Aromatic Interaction between 2,3,5-Triphenyl-2H-tetrazolium Chloride and Poly(sodium) Tj ETQq1 1 0.784314 rgBT /Overl	2.6	34
30	Tuning the pKa of the antihistaminic drug chlorpheniramine maleate by supramolecular interactions with water-soluble polymers. Polymer, 2007, 48, 799-804.	3.8	42
31	Complex Formation between Rhodamine B and Poly(sodium 4-styrenesulfonate) Studied by1H-NMR. Journal of Physical Chemistry B, 2006, 110, 21576-21581.	2.6	40
32	Magnetic characterization of Daphnia resting eggs. Biochemical and Biophysical Research Communications, 2006, 351, 566-570.	2.1	2
33	Ï€-Stacking of rhodamine B onto water-soluble polymers containing aromatic groups. Polymer, 2006, 47, 6496-6500.	3.8	48
34	Porphyrin Capped with Calix[4]arene Derivative via Hydrogen Bonds. Bulletin of the Chemical Society of Japan, 2005, 78, 2007-2013.	3.2	16
35	Stability of porphyrinâ€“calix[4]arene complexes analyzed by electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 2065-2068.	1.5	15
36	Analysis of Self-Assembled Monolayers by Thermal Desorption Mass Spectrometry: Neighborhood Interaction and Hydrogen/Deuterium Exchange. Analytical Sciences, 2004, 20, 1223-1225.	1.6	1

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37	Chemical Analysis of Surface Hydrocarbons in Fireflies by Direct Contact Extraction and Gas Chromatography-Mass Spectrometry. Analytical Sciences, 2004, 20, 1729-1731.	1.6	12
38	Crystalline Calcium Phosphate and Magnetic Mineral Content of Daphnia Resting Eggs. Zoological Science, 2004, 21, 63-67.	0.7	1
39	A Duplex of Tetra(2-pyridyl)porphyrin and Tetrahydroxylcalix[4]arene. Chemistry Letters, 2003, 32, 1052-1053.	1.3	13
40	Thermal Desorption High-Resolution Mass Spectrometry of Mixed Self-Assembled Monolayers on Gold. Langmuir, 2002, 18, 1528-1534.	3.5	14
41	Analysis of Sex-Attractant Pheromones of Firefly Pyrocoelia oshimana by Gas Chromatography.. Analytical Sciences, 2000, 16, 995-996.	1.6	8
42	Gas-phase stability of double-stranded oligodeoxynucleotides and their noncovalent complexes with DNA-binding drugs as revealed by collisional activation in an ion trap. Journal of the American Society for Mass Spectrometry, 2000, 11, 450-457.	2.8	125
43	Non-Covalent Complexes between DNA-Binding Drugs and Double-Stranded Oligodeoxynucleotides:Â A Study by ESI Ion-Trap Mass Spectrometry. Journal of the American Chemical Society, 2000, 122, 300-307.	13.7	186
44	Structural analysis of metal-surface protect surfactants by tandem mass spectrometry.. Bunseki Kagaku, 1999, 48, 797-801.	0.2	0
45	Structural characterization of â€œtailed picket-fence porphyrinsâ€•by high-energy fast atom bombardment collision-induced dissociation mass spectrometry/mass spectrometry. European Journal of Mass Spectrometry, 1997, 3, 291.	0.7	3
46	Comparison of Electron Ionization and Fast Atom Bombardment Ionization for CID-MS/MS Studies of "Picket-Fence" Porphyrin.. Analytical Sciences, 1997, 13, 845-847.	1.6	1
47	Microanalysis of carbon, hydrogen, and nitrogen in air-sensitive organometallic compounds.. Bunseki Kagaku, 1995, 44, 83-86.	0.2	0
48	Analysis of Functional Groups of Porphyrins by Collision-Induced Dissociation Mass Spectrometry/Mass Spectrometry.. Analytical Sciences, 1995, 11, 793-796.	1.6	2