

Mai Otsuka

List of Publications by Year in descending order

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17
papers

150
citations

1162367

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1199166

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docs citations

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149
citing authors

#	ARTICLE	IF	CITATIONS
1	Conjugation between π - and σ -Aromaticity in 1-C ₁₁ -Arylated Monocarba-closo-dodecaborate Anions. <i>Journal of the American Chemical Society</i> , 2015, 137, 15082-15085.	6.6	33
2	“Dumbbell”- and “Clackers”-Shaped Dimeric Derivatives of Monocarba-closo-dodecaborate. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1501-1504.	7.2	15
3	Analysis of degradation products of nerve agents via post-pentafluorobenzoylation liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1577, 31-37.	1.8	14
4	Analysis of degradation products of nitrogen mustards via hydrophilic interaction liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1602, 199-205.	1.8	14
5	One-pot Annulation for Biaryl-fused Monocarba-closo-dodecaborate through Aromatic C-H Bond Disconnection. <i>Chemistry - an Asian Journal</i> , 2018, 13, 913-917.	1.7	13
6	Theoretical evaluation of the hydrolysis of conventional nerve agents and novichok agents. <i>Chemical Physics Letters</i> , 2021, 785, 139116.	1.2	12
7	Deprotonative Metalation of Methoxy-Substituted Arenes Using Lithium 2,2,6,6-Tetramethylpiperidide: Experimental and Computational Study. <i>Journal of Organic Chemistry</i> , 2018, 83, 13498-13506.	1.7	10
8	Analysis of nitrogen mustard degradation products via post-pentafluorobenzoylation liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1625, 461306.	1.8	10
9	A self-degradable hydrogel sensor for a nerve agent tabun surrogate through a self-propagating cascade. <i>Cell Reports Physical Science</i> , 2021, 2, 100552.	2.8	9
10	Palladium-Catalyzed Cross-Coupling Reaction of Lithiated Monocarba-closo-dodecaborate at the Carbon Vertex. <i>Synlett</i> , 2015, 26, 2403-2407.	1.0	8
11	“Dumbbell”- and “Clackers”-Shaped Dimeric Derivatives of Monocarba-closo-dodecaborate. <i>Angewandte Chemie</i> , 2018, 130, 1517-1520.	1.6	6
12	Comparison of measurement methods for carboxyhemoglobin in blood samples based on visible spectra with 17 institutions. <i>Forensic Toxicology</i> , 2019, 37, 330-338.	1.4	3
13	Evaluation of the possibility of binary synthesis of VX by theoretical calculation. <i>Chemical Physics Letters</i> , 2020, 756, 137808.	1.2	1
14	Experimental study for adsorption and photocatalytic reaction of ethyl methylphosphonate molecule as organophosphorus compound adsorbed at surface of titanium dioxide under UV irradiation in ambient condition. <i>Research on Chemical Intermediates</i> , 2021, 47, 1563-1579.	1.3	1
15	Analysis of degradation products of nerve agents in biological fluids by ion chromatography-tandem mass spectrometry. <i>Forensic Toxicology</i> , 2023, 41, 71-80.	1.4	1
16	Detection of ricin in beverages using the Bio-Threat Alert test strips. <i>Japanese Journal of Forensic Science and Technology</i> , 2021, , .	0.1	0
17	Evaluation of the MX908 portable mass spectrometer for the detection of chemical warfare agents. <i>Japanese Journal of Forensic Science and Technology</i> , 2021, , .	0.1	0