

Sergey Assonov

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

438
citations

933447

10
h-index

1125743

13
g-index

20
all docs

20
docs citations

20
times ranked

734
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic Reference Materials for Hydrogen, Carbon, and Nitrogen Stable Isotope-Ratio Measurements: Caffeines, n -Alkanes, Fatty Acid Methyl Esters, Glycines, Valines, Polyethylenes, and Oils. <i>Analytical Chemistry</i> , 2016, 88, 4294-4302.	6.5	126
2	Impact of climate change on the transition of Neanderthals to modern humans in Europe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9116-9121.	7.1	98
3	Triple Oxygen Isotope Systematics in the Hydrologic Cycle. <i>Reviews in Mineralogy and Geochemistry</i> , 2021, 86, 401-428.	4.8	30
4	Triple oxygen isotope systematics of structurally bonded water in gypsum. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 209, 254-266.	3.9	29
5	Preparation and characterisation of IAEA-603, a new primary reference material aimed at the VPDB scale realisation for ^{13}C and ^{18}O determination. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8867.	1.5	28
6	Isotopic metrology of carbon dioxide. II. Effects of ion source materials, conductance, emission, and accelerating voltage on dual-inlet cross contamination. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 777-782.	1.5	27
7	Summary and recommendations from the International Atomic Energy Agency Technical Meeting on the Development of Stable Isotope Reference Products (21–25 November 2016). <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 827-830.	1.5	24
8	Advances in reference materials and measurement techniques for greenhouse gas atmospheric observations. <i>Metrologia</i> , 2019, 56, 034006.	1.2	24
9	A system for high-quality CO_2 isotope analyses of air samples collected by the CARIBIC Airbus A340-600. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1347-1363.	1.5	19
10	Characterisation of new reference materials IAEA-610, IAEA-611 and IAEA-612 aimed at the VPDB ^{13}C scale realisation with small uncertainty. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9014.	1.5	13
11	On the metrological traceability and hierarchy of stable isotope reference materials aimed at realisation of the VPDB scale: Revision of the VPDB ^{13}C scale based on multipoint scale—anchoring RMs. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9018.	1.5	10
12	A stable isotope toolbox for water and inorganic carbon cycle studies. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 699-719.	29.7	7
13	Potential improvements aimed at high precision ^{13}C isotopic ratio determinations in CO_2 mixtures using optical absorption spectrometry. <i>Talanta</i> , 2018, 184, 73-86.	5.5	3
14	Gas Source Isotope Ratio Mass Spectrometry for the Analysis of Noble Gases. <i>New Developments in Mass Spectrometry</i> , 2014, , 550-581.	0.2	0