

Aleksey Sadekov

List of Publications by Year in descending order

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42
papers

1,413
citations

394421

19
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330143

37
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docs citations

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times ranked

1801
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation and daily banding of Mg/Ca in tests by symbiont photosynthesis and respiration: a complication for seawater thermometry?. <i>Earth and Planetary Science Letters</i> , 2004, 225, 411-419.	4.4	197
2	Interlaboratory study for coral Sr/Ca and other element/Ca ratio measurements. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 3730-3750.	2.5	183
3	Uncertainties in seawater thermometry deriving from intratest and intertest Mg/Ca variability in <i>Globigerinoides ruber</i> . <i>Paleoceanography</i> , 2008, 23, .	3.0	106
4	Oxygen isotope fractionation between calcite and fluid as a function of growth rate and temperature: An in situ study. <i>Chemical Geology</i> , 2012, 306-307, 92-102.	3.3	99
5	Crystal growth rate effect on Mg/Ca and Sr/Ca partitioning between calcite and fluid: An in situ approach. <i>Chemical Geology</i> , 2014, 367, 70-82.	3.3	89
6	Surface and subsurface seawater temperature reconstruction using Mg/Ca microanalysis of planktonic foraminifera <i>Globigerinoides ruber</i> , <i>Globigerinoides sacculifer</i> , and <i>Pulleniatina obliquiloculata</i> . <i>Paleoceanography</i> , 2009, 24, .	3.0	83
7	The coordination of Mg in foraminiferal calcite. <i>Earth and Planetary Science Letters</i> , 2013, 383, 134-141.	4.4	54
8	Effects of seafloor and laboratory dissolution on the Mg/Ca composition of <i>Globigerinoides sacculifer</i> and <i>Orbulina universa</i> tests – A laser ablation ICPMS microanalysis perspective. <i>Earth and Planetary Science Letters</i> , 2010, 292, 312-324.	4.4	46
9	Rare Earth Elements in early-diagenetic foraminifer coatings™: Pore-water controls and potential palaeoceanographic applications. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 118-132.	3.9	46
10	In situ study of boron partitioning between calcite and fluid at different crystal growth rates. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 137, 81-92.	3.9	43
11	Late Holocene droughts in the Fertile Crescent recorded in a speleothem from northern Iraq. <i>Geophysical Research Letters</i> , 2017, 44, 1528-1536.	4.0	38
12	The effect of ocean alkalinity and carbon transfer on deep-sea carbonate ion concentration during the past five glacial cycles. <i>Earth and Planetary Science Letters</i> , 2017, 471, 42-53.	4.4	37
13	Coral Li/Mg thermometry: Caveats and constraints. <i>Chemical Geology</i> , 2019, 523, 162-178.	3.3	35
14	Geochemical signatures of benthic foraminiferal shells from a heat-polluted shallow marine environment provide field evidence for growth and calcification under extreme warmth. <i>Global Change Biology</i> , 2017, 23, 4346-4353.	9.5	27
15	LAtools: A data analysis package for the reproducible reduction of LA-ICPMS data. <i>Chemical Geology</i> , 2019, 504, 83-95.	3.3	27
16	Post-depositional overprinting of chromium in foraminifera. <i>Earth and Planetary Science Letters</i> , 2019, 515, 100-111.	4.4	25
17	Middle Coniacian–Santonian foraminiferal bioevents around the Mangyshlak Peninsula and Russian Platform. <i>Cretaceous Research</i> , 2007, 28, 108-118.	1.4	24
18	Accurate and precise microscale measurements of boron isotope ratios in calcium carbonates using laser ablation multicollector-ICPMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 550-560.	3.0	20

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19	The effect of growth rate on uranium partitioning between individual calcite crystals and fluid. <i>Chemical Geology</i> , 2017, 450, 145-153.	3.3	19
20	Rock fragments from mud volcanic deposits of the Gulf of Cadiz: an insight into the Eocene–Pliocene sedimentary succession of the basin. <i>Marine Geology</i> , 2003, 195, 211-221.	2.1	18
21	Investigating marine bio-calcification mechanisms in a changing ocean with in vivo and high-resolution ex vivo Raman spectroscopy. <i>Global Change Biology</i> , 2019, 25, 1877-1888.	9.5	17
22	Heterogeneous Late Holocene Climate in the Eastern Mediterranean—The Kocain Cave Record From SW Turkey. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094733.	4.0	15
23	Foraminiferal single chamber analyses of heavy metals as a tool for monitoring permanent and short term anthropogenic footprints. <i>Marine Pollution Bulletin</i> , 2018, 128, 65-71.	5.0	13
24	Elemental Uptake by Calcite Slowly Grown From Seawater Solution: An in-situ Study via Depth Profiling. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	13
25	Monitoring of heavy metals in seawater using single chamber foraminiferal sclerochronology. <i>Ecological Indicators</i> , 2021, 120, 106931.	6.3	13
26	Mg/Ca composition of benthic foraminifera <i>Miliolacea</i> as a new tool of paleoceanography. <i>Paleoceanography</i> , 2014, 29, 990-1001.	3.0	12
27	Sr partitioning in the benthic foraminifera <i>Ammonia aomoriensis</i> and <i>Amphistegina lessonii</i> . <i>Chemical Geology</i> , 2016, 440, 306-312.	3.3	12
28	REE Incorporation into Calcite Individual Crystals as One Time Spike Addition. <i>Minerals (Basel)</i> , 2021, 11, 1070.	2.0	12
29	Li partitioning in the benthic foraminifera <i>Amphistegina lessonii</i> . <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 4275-4279.	2.5	11
30	Integrating morphology and metagenomics to understand taxonomic variability of <i>Amphisorus</i> (Foraminifera, Miliolida) from Western Australia and Indonesia. <i>PLoS ONE</i> , 2021, 16, e0244616.	2.5	11
31	In situ Mg isotope measurements of biogenic carbonates using laser ablation multi-collector inductively coupled plasma mass spectrometry: A new tool to understand biomineralisation. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8918.	1.5	9
32	Benthic foraminifera geochemistry as a monitoring tool for heavy metal and phosphorus pollution – A post fish-farm removal case study. <i>Marine Pollution Bulletin</i> , 2021, 168, 112443.	5.0	8
33	First report of mitochondrial COI in foraminifera and implications for DNA barcoding. <i>Scientific Reports</i> , 2021, 11, 22165.	3.3	8
34	Sectoral and growth rate control on elemental uptake by individual calcite crystals. <i>Chemical Geology</i> , 2021, 585, 120589.	3.3	7
35	Relationship between mineralogy and minor element partitioning in limpets from an Ischia CO2 vent site provides new insights into their biomineralization pathway. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 236, 218-229.	3.9	6
36	Li Partitioning Into Coccoliths of <i>Emiliania huxleyi</i> : Evaluating the General Role of “Vital Effects” in Explaining Element Partitioning in Biogenic Carbonates. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009129.	2.5	6

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37	Methane seeps following Early Permian (Sakmarian) deglaciation, interior East Gondwana, Western Australia: Multiphase carbonate cements, distinct carbon-isotope signatures, extraordinary biota. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 591, 110862.	2.3	6
38	Geochemistry of large benthic foraminifera <i>Amphisorus hemprichii</i> as a high-resolution proxy for lead pollution in coastal environments. <i>Marine Pollution Bulletin</i> , 2021, 162, 111918.	5.0	5
39	Uptake of uranium by carbonate crystallization from reduced and oxidized hydrothermal fluids. <i>Chemical Geology</i> , 2021, 564, 120054.	3.3	5
40	A Sediment Trap Evaluation of B/Ca as a Carbonate System Proxy in Asymbiotic and Nondinoflagellate Hosting Planktonic Foraminifera. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003682.	2.9	3
41	Mg/Ca Ratios in Synthetic Low-Magnesium Calcite: An Experimental Investigation. <i>Minerals (Basel)</i> , Tj ETQq1 1 0.784314 rgBj /Overlock	2.0	3
42	Heavy metal incorporation in foraminiferal calcite under variable environmental and acute level seawater pollution: multi-element culture experiments for <i>Amphisorus hemprichii</i> . <i>Environmental Science and Pollution Research</i> , 2022, 29, 3826-3839.	5.3	2