

# Weifu Guo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3163966/publications.pdf>

Version: 2024-02-01

20  
papers

2,438  
citations

471509

17  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

2342  
citing authors

#	ARTICLE	IF	CITATIONS
1	Porites Calcifying Fluid pH on Seasonal to Diurnal Scales. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016889.	2.6	5
2	Calibration of the dual clumped isotope thermometer for carbonates. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 312, 235-256.	3.9	33
3	Kinetic clumped isotope fractionation in the DIC-H <sub>2</sub> O-CO <sub>2</sub> system: Patterns, controls, and implications. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 268, 230-257.	3.9	58
4	Dual clumped isotope thermometry resolves kinetic biases in carbonate formation temperatures. <i>Nature Communications</i> , 2020, 11, 4005.	12.8	70
5	Ocean Acidification Has Impacted Coral Growth on the Great Barrier Reef. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086761.	4.0	19
6	Patterns and controls of disequilibrium isotope effects in speleothems: Insights from an isotope-enabled diffusion-reaction model and implications for quantitative thermometry. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 267, 196-226.	3.9	45
7	Seawater temperature and buffering capacity modulate coral calcifying pH. <i>Scientific Reports</i> , 2019, 9, 1189.	3.3	17
8	Triple oxygen isotope fractionation in the DIC-H <sub>2</sub> O-CO <sub>2</sub> system: A numerical framework and its implications. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 246, 541-564.	3.9	36
9	Ocean acidification affects coral growth by reducing skeletal density. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1754-1759.	7.1	156
10	Clumped isotope composition of cold-water corals: A role for vital effects?. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 179, 123-141.	3.9	66
11	Fluid mixing and the deep biosphere of a fossil Lost City-type hydrothermal system at the Iberia Margin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12036-12041.	7.1	89
12	Frontiers of stable isotope geoscience. <i>Chemical Geology</i> , 2014, 372, 119-143.	3.3	99
13	<sup>13</sup> C <sup>18</sup> O clumping in speleothems: Observations from natural caves and precipitation experiments. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3303-3317.	3.9	158
14	Stable Isotope Cosmochemistry and the Evolution of Planetary Systems. <i>Elements</i> , 2011, 7, 23-28.	0.5	8
15	Multiple sulfur isotope analysis of volatile organic sulfur compounds and their sulfonium precursors in coastal marine environments. <i>Marine Chemistry</i> , 2011, 124, 78-89.	2.3	32
16	Large and unexpected enrichment in stratospheric <sup>16</sup> O <sup>13</sup> C <sup>18</sup> O and its meridional variation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11496-11501.	7.1	37
17	Methods and limitations of $\delta^{13}C_{org}$ CO <sub>2</sub> isotope ( $\delta^{13}C_{org}$ ) analysis by gas-source isotope ratio mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1318-1329.	1.6	371
18	Isotopic fractionations associated with phosphoric acid digestion of carbonate minerals: Insights from first-principles theoretical modeling and clumped isotope measurements. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 7203-7225.	3.9	224

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19	Temperatures of aqueous alteration and evidence for methane generation on the parent bodies of the CM chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5565-5575.	3.9	208
20	$^{13}\text{C}$ - $^{18}\text{O}$ bonds in carbonate minerals: A new kind of paleothermometer. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 1439-1456.	3.9	707