

Audrey Bouvier

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

4,225
citations

304743

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254184

43
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48
all docs

48
docs citations

48
times ranked

3704
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of a primordial isotopic gradient in the inner region of the solar protoplanetary disc. <i>Astronomy and Astrophysics</i> , 2022, 660, A36.	5.1	2
2	Half-life and initial Solar System abundance of ^{146}Sm determined from the oldest andesitic meteorite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2120933119.	7.1	17
3	Effects of pebble accretion on the growth and composition of planetesimals in the inner Solar system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 158-175.	4.4	6
4	Garnet Geochemistry and Lu-Hf Geochronology of a Gold-Bearing Sillimanite-Garnet-Biotite Gneiss at the Borden Lake Belt. <i>Geosciences (Switzerland)</i> , 2022, 12, 218.	2.2	0
5	Radiogenic Pb mobilization induced by shock metamorphism of zircons in the Apollo 72255 Civet Cat norite clast. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 302, 175-192.	3.9	4
6	Evidence from achondrites for a temporal change in Nd nucleosynthetic anomalies within the first 1.5 million years of the inner solar system formation. <i>Earth and Planetary Science Letters</i> , 2021, 566, 116968.	4.4	12
7	Timing of lunar Mg-suite magmatism constrained by SIMS U-Pb dating of Apollo norite 78238. <i>Earth and Planetary Science Letters</i> , 2021, 569, 117046.	4.4	6
8	Formation of the Ce-Nd mantle array: Crustal extraction vs. recycling by subduction. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115941.	4.4	14
9	Influence of provenance and transport process on the geochemistry and radiogenic (Hf, Nd, and Sr) isotopic composition of Pleistocene glacial sediments, Minnesota, USA. <i>Chemical Geology</i> , 2020, 532, 119390.	3.3	4
10	Metamorphism of the Mougooderra Formation: Implications for Neoproterozoic tectonics in the western Youanmi Terrane, Yilgarn Craton. <i>Precambrian Research</i> , 2020, 350, 105862.	2.7	3
11	The fall, recovery, classification, and initial characterization of the Hamburg, Michigan H4 chondrite. <i>Meteoritics and Planetary Science</i> , 2020, 55, 2341-2359.	1.6	4
12	Accretion of the Earth's "Missing Components?". <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	32
13	The Meteoritical Bulletin, no. 108. <i>Meteoritics and Planetary Science</i> , 2020, 55, 1146-1150.	1.6	26
14	Two-stage formation of pallasites and the evolution of their parent bodies revealed by deformation experiments. <i>Earth and Planetary Science Letters</i> , 2020, 546, 116419.	4.4	12
15	The Meteoritical Bulletin, No. 107. <i>Meteoritics and Planetary Science</i> , 2020, 55, 460-462.	1.6	27
16	Best practices for the use of meteorite names in publications. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1397-1400.	1.6	2
17	Imbrium Age for Zircons in Apollo 17 South Massif Impact Melt Breccia 73155. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 3205-3218.	3.6	11
18	The timing of prograde metamorphism in the Pontiac Subprovince, Superior craton; implications for Archean geodynamics and gold mineralization. <i>Precambrian Research</i> , 2019, 320, 111-136.	2.7	20

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19	The Meteoritical Bulletin, No. 106. Meteoritics and Planetary Science, 2019, 54, 469-471.	1.6	35
20	Enstatite chondrites EL3 as building blocks for the Earth: The debate over the ^{146}Sm - ^{142}Nd systematics. Earth and Planetary Science Letters, 2018, 488, 68-78.	4.4	36
21	Raman spectroscopy of shocked enstatite-rich meteorites. Meteoritics and Planetary Science, 2018, 53, 2067-2077.	1.6	5
22	The Meteoritical Bulletin, No. 104. Meteoritics and Planetary Science, 2017, 52, 2284-2284.	1.6	38
23	The Meteoritical Bulletin, No. 105. Meteoritics and Planetary Science, 2017, 52, 2411-2411.	1.6	28
24	Testing the chondrule-rich accretion model for planetary embryos using calcium isotopes. Earth and Planetary Science Letters, 2017, 469, 75-83.	4.4	44
25	The Meteoritical Bulletin, No. 103. Meteoritics and Planetary Science, 2017, 52, 1014-1014.	1.6	27
26	Primitive Solar System materials and Earth share a common initial ^{142}Nd abundance. Nature, 2016, 537, 399-402.	27.8	85
27	^{147}Sm - ^{143}Nd and ^{176}Lu - ^{176}Hf systematics of eucrite and angrite meteorites. Meteoritics and Planetary Science, 2015, 50, 1896-1911.	1.6	20
28	The Meteoritical Bulletin, No. 102. Meteoritics and Planetary Science, 2015, 50, 1662-1662.	1.6	53
29	Geochemistry and chronology of the Bunburra Rockhole ungrouped achondrite. Meteoritics and Planetary Science, 2015, 50, 958-975.	1.6	4
30	Barium stable isotope composition of the Earth, meteorites, and calcium-aluminum-rich inclusions. Chemical Geology, 2015, 413, 1-6.	3.3	17
31	Meteorites (Lu-Hf). Encyclopedia of Earth Sciences Series, 2015, , 555-559.	0.1	0
32	Metamorphosed calcium-aluminum-rich inclusions in CK carbonaceous chondrites. Meteoritics and Planetary Science, 2014, 49, 419-452.	1.6	23
33	Comment on "Geochronology of the Martian meteorite Zagami revealed by U-Pb ion probe dating of accessory minerals" by Zhou et al.. Earth and Planetary Science Letters, 2014, 385, 216-217.	4.4	3
34	$^{40}\text{Ar}/^{39}\text{Ar}$ impact ages and time-temperature argon diffusion history of the Bunburra Rockhole anomalous basaltic achondrite. Geochimica Et Cosmochimica Acta, 2014, 140, 391-409.	3.9	14
35	Magnesium isotopic fractionation in chondrules from the Murchison and Murray CM ₂ carbonaceous chondrites. Meteoritics and Planetary Science, 2013, 48, 339-353.	1.6	22
36	PLANETARY-SCALE STRONTIUM ISOTOPIC HETEROGENEITY AND THE AGE OF VOLATILE DEPLETION OF EARLY SOLAR SYSTEM MATERIALS. Astrophysical Journal, 2012, 758, 45.	4.5	83

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37	New constraints on early Solar System chronology from Al ²⁶ /Mg and U ²³⁵ /Pb isotope systematics in the unique basaltic achondrite Northwest Africa 2976. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5310-5323.	3.9	66
38	The age of the Solar System redefined by the oldest Pb ²⁰⁶ /Pb age of a meteoritic inclusion. <i>Nature Geoscience</i> , 2010, 3, 637-641.	12.9	323
39	Sr stable isotope composition of Earth, the Moon, Mars, Vesta and meteorites. <i>Earth and Planetary Science Letters</i> , 2010, 300, 359-366.	4.4	110
40	Martian meteorite chronology and the evolution of the interior of Mars. <i>Earth and Planetary Science Letters</i> , 2009, 280, 285-295.	4.4	121
41	The case for old basaltic shergottites. <i>Earth and Planetary Science Letters</i> , 2008, 266, 105-124.	4.4	117
42	The Lu ¹⁷⁶ /Hf and Sm ¹⁴⁷ /Nd isotopic composition of CHUR: Constraints from unequilibrated chondrites and implications for the bulk composition of terrestrial planets. <i>Earth and Planetary Science Letters</i> , 2008, 273, 48-57.	4.4	2,427
43	Pb ²⁰⁶ /Pb dating constraints on the accretion and cooling history of chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 1583-1604.	3.9	148
44	Europium isotopic variations in Allende CAIs and the nature of mass-dependent fractionation in the solar nebula. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4287-4294.	3.9	41
45	The age of SNC meteorites and the antiquity of the Martian surface. <i>Earth and Planetary Science Letters</i> , 2005, 240, 221-233.	4.4	123
46	Evidence for anorthositic crust formed on an inner solar system planetesimal. <i>Geochemical Perspectives Letters</i> , 0, , 28-32.	5.0	10