Simone Anzellini

List of Publications by Year
in descending order

34 papers	1,413 citations	471509 17 h-index	377865 34 g-index
40 all docs	40 docs citations	40 times ranked	1650 citing authors

#	Article	IF	Citations
1	Characterization of the high-pressure and high-temperature phase diagram and equation of state of chromium. Scientific Reports, 2022, 12, 6727.	3.3	21
2	Pressure-induced chemical decomposition of copper orthovanadate (Î±-Cu₃V₂O₈). Journal of Materials Chemistry C, 2021, 9, 13402-13409.	5.5	12
3	Anomalous Behavior in the Atomic Structure of Nb3Sn under High Pressure. Crystals, 2021, 11, 331.	2.2	3
4	Pâ€“Vâ€“T Equation of State of Iridium Up to 80 GPa and 3100 K. Crystals, 2021, 11, 452.	2.2	40
5	Melting line of calcium characterized by in situ LH-DAC XRD and first-principles calculations. Scientific Reports, 2021, 11, 15025.	3.3	2
6	Properties of Transition Metals and Their Compounds at Extreme Conditions. Crystals, 2021, 11, 1185.	2.2	0
7	Effect of salinity, pressure and temperature on the solubility of smithsonite (ZnCO3) and Zn complexation in crustal and upper mantle hydrothermal fluids. Chemical Geology, 2021, 578, 120320.	3.3	6
8	Hot black ices. Nature Physics, 2021, 17, 1195-1196.	16.7	1
9	In situ observation of nanolite growth in volcanic melt: A driving force for explosive eruptions. Science Advances, 2020, 6, .	10.3	67
10	Melting properties by X-ray absorption spectroscopy: common signatures in binary Feâ€“C, Feâ€“O, Feâ€“S and Feâ€“Si systems. Scientific Reports, 2020, 10, 11663.	3.3	13
11	Phase transitions and equation of state of zirconium under high pressure. Physical Review B, 2020, 102, .	3.2	16
12	High-Pressure Structural Behavior and Equation of State of Kagome Staircase Compound, Ni3V2O8. Crystals, 2020, 10, 910.	2.2	11
13	A Practical Review of the Laser-Heated Diamond Anvil Cell for University Laboratories and Synchrotron Applications. Crystals, 2020, 10, 459.	2.2	46
14	The HXD95: a modified Bassett-type hydrothermal diamond-anvil cell for in situ XRD experiments up to 5 GPa and 1300 K. Journal of Synchrotron Radiation, 2020, 27, 529-537.	2.4	12
15	Thermal equation of state of ruthenium characterized by resistively heated diamond anvil cell. Scientific Reports, 2019, 9, 14459.	3.3	8
16	Compression of liquid Ni and Co under extreme conditions explored by x-ray absorption spectroscopy. Physical Review B, 2019, 100, .	3.2	8
17	In situ characterization of the high pressure â€“ high temperature melting curve of platinum. Scientific Reports, 2019, 9, 13034.	3.3	65
18	Rich Polymorphism of a Metalâ€“Organic Framework in Pressureâ€“Temperature Space. Journal of the American Chemical Society, 2019, 141, 9330-9337.	13.7	68

#	Article	IF	Citations
19	Pressure promoted low-temperature melting of metalâ€“organic frameworks. Nature Materials, 2019, 18, 370-376.	27.5	134
20	The fate of carbonate in oceanic crust subducted into earth's lower mantle. Earth and Planetary Science Letters, 2019, 511, 213-222.	4.4	28
21	Quasi-hydrostatic equation of state of silicon up to 1 megabar at ambient temperature. Scientific Reports, 2019, 9, 15537.	3.3	14
22	Static compression of Fe4N to 77 GPa and its implications for nitrogen storage in the deep Earth. American Mineralogist, 2019, 104, 1781-1787.	1.9	6
23	Study of the iron nitride FeN into the megabar regime. Journal of Alloys and Compounds, 2018, 733, 53-58.	5.5	22
24	Laser-heating system for high-pressure X-ray diffraction at the Extreme Conditions beamline I15 at Diamond Light Source. Journal of Synchrotron Radiation, 2018, 25, 1860-1868.	2.4	21
25	Solving Controversies on the Iron Phase Diagram Under High Pressure. Geophysical Research Letters, 2018, 45, 11,074.	4.0	65
26	Simultaneous 8.2â€‰keV phase-contrast imaging and 24.6â€‰keV X-ray diffraction from shock-compressed matter at the LCLS. Applied Physics Letters, 2018, 112, .	3.3	24
27	Phase diagram of calcium at high pressure and high temperature. Physical Review Materials, 2018, 2, .	2.4	20
28	The Effect of Hydrostatic Pressure on the Superconducting and Structural Properties of Nb $_3$Sn: Ab-initio Modeling and SR-XRD Investigation. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	7
29	The Melting Curve of Nickel Up to 100ÂGPa Explored by XAS. Journal of Geophysical Research: Solid Earth, 2017, 122, 9921-9930.	3.4	35
30	Structure and magnetism of cobalt at high pressure and low temperature. Physical Review B, 2016, 94, .	3.2	18
31	Mechanism of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>â^'</mml:mo><mml:mi>Îµ</mml:mi></mml:mrow></mml:math>transformation in iron. Physical Review B, 2015, 91, .	3.2	50
32	Equation of state of rhenium and application for ultra high pressure calibration. Journal of Applied Physics, 2014, 115, .	2.5	74
33	Melting of Iron at Earthâ€™s Inner Core Boundary Based on Fast X-ray Diffraction. Science, 2013, 340, 464-466.	12.6	486
34	Structure and magnetism in compressed ironâ€“cobalt alloys. High Pressure Research, 2011, 31, 148-152.	1.2	5