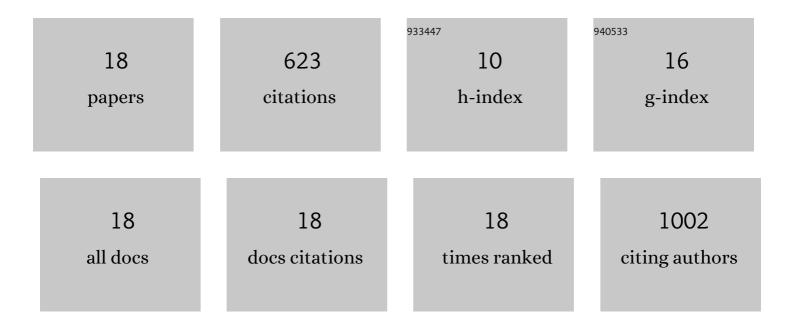
Jinyuan Yan

List of Publications by Year in descending order

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Ιιννιιαν Υανι

#	Article	IF	CITATIONS
1	Polymorphism in a high-entropy alloy. Nature Communications, 2017, 8, 15687.	12.8	192
2	Texture of Nanocrystalline Nickel: Probing the Lower Size Limit of Dislocation Activity. Science, 2012, 338, 1448-1451.	12.6	101
3	High-pressure strengthening in ultrafine-grained metals. Nature, 2020, 579, 67-72.	27.8	96
4	Detecting grain rotation at the nanoscale. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3350-3353.	7.1	54
5	Deformation Behavior across the Zircon-Scheelite Phase Transition. Physical Review Letters, 2016, 117, 135701.	7.8	37
6	Pressure-induced phase transition in the AlCoCrFeNi high-entropy alloy. Scripta Materialia, 2019, 161, 88-92.	5.2	33
7	Determination of the variation of the fluorescence line positions of ruby, strontium tetraborate, alexandrite, and samarium-doped yttrium aluminum garnet with pressure and temperature. Journal of Applied Physics, 2011, 110, .	2.5	31
8	Implementation and application of the peak scaling method for temperature measurement in the laser heated diamond anvil cell. Review of Scientific Instruments, 2018, 89, 083903.	1.3	19
9	Origin of Plasticity in Nanostructured Silicon. Physical Review Letters, 2020, 124, 185701.	7.8	13
10	The resistive-heating characterization of laser heating system and LaB6 characterization of X-ray diffraction of beamline 12.2.2 at advanced light source. Journal of Physics and Chemistry of Solids, 2010, 71, 1179-1182.	4.0	12
11	Radial Xâ€Ray Diffraction Study of Superhard Early Transition Metal Dodecaborides under High Pressure. Advanced Functional Materials, 2019, 29, 1900293.	14.9	12
12	A tungsten external heater for BX90 diamond anvil cells with a range up to 1700 K. Review of Scientific Instruments, 2021, 92, 013903.	1.3	9
13	In situ study on the compression deformation of MoNbTaVW high-entropy alloy. Journal of Alloys and Compounds, 2021, 871, 159557.	5.5	7
14	HgO at high pressures: the transition to the NaCl structure (HgO-III) and the equation of state of tetragonal HgO-II. Physics and Chemistry of Minerals, 2012, 39, 269-275.	0.8	3
15	Investigation of phase transition of mercury decomposed from mercury oxide up to 20ÂGPa. High Pressure Research, 2011, 31, 555-559.	1.2	2
16	Pressure-Dependent Thermal Expansion Coefficient by a Diamond Anvil Cell. International Journal of Thermophysics, 2022, 43, 1.	2.1	1
17	High-pressure phase transitions and melt structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Pb</mml:mi><mml:msub><mml:mi mathvariant="normal">O<mml:mn>2</mml:mn></mml:mi </mml:msub></mml:mrow> : An analog for silica. Physical Review B. 2022. 105</mml:math 	3.2	1
18	Performance of Carbide Alloy Compounds in Carbon Doped MoNbTaW. Crystals, 2021, 11, 1073.	2.2	0