Xiaoju Guo

List of Publications by Year in descending order

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26	1,065	471509	552781
papers	citations	17 h-index	26 g-index

26	26	26	883
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermal history and its implications: A case study for ion exchange. Journal of the American Ceramic Society, 2020, 103, 3971-3977.	3.8	9
2	Viscous flow of medieval cathedral glass. Journal of the American Ceramic Society, 2018, 101, 5-11.	3.8	32
3	Linking Equilibrium and Nonequilibrium Dynamics in Glass-Forming Systems. Journal of Physical Chemistry B, 2016, 120, 3226-3231.	2.6	25
4	Non-conservation of the total alkali concentration in ion-exchanged glass. Journal of Non-Crystalline Solids, 2014, 387, 71-75.	3.1	11
5	Are the dynamics of a glass embedded in its elastic properties?. Journal of Chemical Physics, 2013, 138, 12A501.	3.0	15
6	Effect of the initial stage of annealing on modeling of enthalpy relaxation in a hyperquenched glass. Journal of Non-Crystalline Solids, 2013, 378, 121-125.	3.1	4
7	Dynamics of Glass Relaxation at Room Temperature. Physical Review Letters, 2013, 110, 265901.	7.8	133
8	Structural relaxation in annealed hyperquenched basaltic glasses: Insights from calorimetry. Journal of Non-Crystalline Solids, 2012, 358, 1356-1361.	3.1	14
9	On the frequency correction in temperature-modulated differential scanning calorimetry of the glass transition. Journal of Non-Crystalline Solids, 2012, 358, 1710-1715.	3.1	17
10	Unified approach for determining the enthalpic fictive temperature of glasses with arbitrary thermal history. Journal of Non-Crystalline Solids, 2011, 357, 3230-3236.	3.1	49
11	Heterogeneous enthalpy relaxation in glasses far from equilibrium. Chemical Physics Letters, 2010, 494, 37-40.	2.6	18
12	A tetragonal phase of superhard BC2N. Journal of Applied Physics, 2009, 105, .	2.5	32
13	Unbinding force of chemical bonds and tensile strength in strong crystals. Journal of Physics Condensed Matter, 2009, 21, 485405.	1.8	22
14	Hardness of covalent compounds: Roles of metallic component and d valence electrons. Journal of Applied Physics, 2008, 104, .	2.5	166
15	Structure and mechanical properties of osmium carbide: First-principles calculations. Applied Physics Letters, 2008, 93, .	3.3	38
16	First-principles study of wurtzite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">N</mml:mi></mml:mrow></mml:math>. Physical Review B, 2007, 76, .	3.2	43
17	Body-centered superhard<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">N</mml:mi></mml:mrow></mml:math>phases from first principles. Physical Review B, 2007, 76, .	3.2	32
18	Theoretical hardness of the cubic BC2N. Diamond and Related Materials, 2007, 16, 526-530.	3.9	36

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19	Ground-state properties and hardness of high density BC6N phases originating from diamond structure. Journal of Applied Physics, 2007, 101, 083505.	2.5	15
20	First-Principles Investigation of Dense B₄C₃. Journal of Physical Chemistry C, 2007, 111, 13679-13683.	3.1	11
21	Most likely phase of superhard<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>BC</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">N</mml:mi></mml:mrow></mml:math>byab initiocalculations. Physical Review B, 2007, 76, .	3.2	62
22	Prediction of a sandwichlike conducting superhard boron carbide: First-principles calculations. Physical Review B, 2006, 73, .	3.2	48
23	Synthesis of Bâ€“Câ€“N nanocrystalline particle by mechanical alloying and spark plasma sintering. Journal of Materials Science, 2006, 41, 8352-8355.	3.7	12
24	Chalcopyrite polymorph for superhard BC2N. Applied Physics Letters, 2006, 89, 151911.	3.3	41
25	First-principles study of electronic structure and optical properties of heterodiamondBC2N. Physical Review B, 2006, 73, .	3.2	113
26	Predicting hardness of dense C3N4 polymorphs. Applied Physics Letters, 2006, 88, 101906.	3.3	67