

Alan Bruce Thompson

List of Publications by Year in descending order

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21
papers

3,387
citations

471509

17
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839539

18
g-index

21
all docs

21
docs citations

21
times ranked

2311
citing authors

#	ARTICLE	IF	CITATIONS
1	Partial melting of subducting oceanic crust. Earth and Planetary Science Letters, 1994, 121, 227-244.	4.4	768
2	Fluid-absent (dehydration) melting of biotite in metapelites in the early stages of crustal anatexis. Contributions To Mineralogy and Petrology, 1988, 99, 226-237.	3.1	695
3	Water in the Earth's upper mantle. Nature, 1992, 358, 295-302.	27.8	450
4	Experimental melting of biotite + plagioclase + quartz \pm muscovite assemblages and implications for crustal melting. Journal of Geophysical Research, 1995, 100, 15581-15591.	3.3	281
5	Melting of the continental crust: Some thermal and petrological constraints on anatexis in continental collision zones and other tectonic settings. Journal of Geophysical Research, 1995, 100, 15565-15579.	3.3	277
6	Melting of Biotite + Plagioclase + Quartz Gneisses: the Role of H ₂ O in the Stability of Amphibole. Journal of Petrology, 2000, 41, 651-666.	2.8	138
7	Thermal evolution and exhumation in obliquely convergent (transpressive) orogens. Tectonophysics, 1997, 280, 171-184.	2.2	131
8	Model systems for anatexis of pelitic rocks. Contributions To Mineralogy and Petrology, 1979, 70, 429-438.	3.1	125
9	Model systems for anatexis of pelitic rocks. Contributions To Mineralogy and Petrology, 1977, 63, 247-269.	3.1	108
10	Fertility of crustal rocks during anatexis. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 1996, 87, 1-10.	0.3	87
11	Calculation of muscovite-paragonite-alkali feldspar phase relations. Contributions To Mineralogy and Petrology, 1974, 44, 173-194.	3.1	63
12	P CO ₂ in low-grade metamorphism; zeolite, carbonate, clay mineral, prehnite relations in the system CaO-Al ₂ O ₃ -SiO ₂ -CO ₂ -H ₂ O. Contributions To Mineralogy and Petrology, 1971, 33, 145-161.	3.1	53
13	A model system for mineral facies in pelitic schists. Contributions To Mineralogy and Petrology, 1976, 58, 243-277.	3.1	53
14	Some time-space relationships for crustal melting and granitic intrusion at various depths. Geological Society Special Publication, 1999, 168, 7-25.	1.3	38
15	Clockwise P-T paths for crustal melting and H ₂ O recycling in granite source regions and migmatite terrains. Lithos, 2001, 56, 33-45.	1.4	37
16	Flow and Focusing of Metamorphic Fluids. , 1997, , 297-314.		28
17	Mineral reactions in a calc-mica schist from Gassetts, Vermont, U.S.A.. Contributions To Mineralogy and Petrology, 1975, 53, 105-127.	3.1	23
18	Gibbs energy of aluminous minerals. Contributions To Mineralogy and Petrology, 1974, 48, 123-136.	3.1	20

#	ARTICLE	IF	CITATIONS
19	Metamorphism in a model mantle I. predictions of P-T-X relations In CaO-Al ₂ O ₃ -SiO ₂ . , 1979, , 15-28.		4
20	Partial melting of metavolcanics in amphibolite facies regional metamorphism. Journal of Earth System Science, 2001, 110, 287-291.	1.3	4
21	5. Phase Relations Involving Hydrous Silicate Melts, Aqueous Fluids, and Minerals. , 2007, , 129-186.		4