

K Peter D Lagerlöf

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

521
citations

1163117

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1372567

10
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11
all docs

11
docs citations

11
times ranked

449
citing authors

#	ARTICLE	IF	CITATIONS
1	Slip and Twinning in Sapphire ($\alpha\text{-Al}_2\text{O}_3$). Journal of the American Ceramic Society, 1994, 77, 385-397.	3.8	214
2	Lattice Diffusion Kinetics in Undoped and Impurity-Doped Sapphire ($\alpha\text{-Al}_2\text{O}_3$): A Dislocation Loop Annealing Study. Journal of the American Ceramic Society, 1989, 72, 2159-2171.	3.8	78
3	Dislocation Structures of Low-Angle and Near- 90° Grain Boundaries in Alumina Bicrystals. Journal of the American Ceramic Society, 2003, 86, 595-602.	3.8	51
4	Determination of Pipe Diffusion Coefficients in Undoped and Magnesia-Doped Sapphire ($\alpha\text{-Al}_2\text{O}_3$): A Study Based on Annihilation of Dislocation Dipoles. Journal of the American Ceramic Society, 2003, 86, 560-65.	3.8	48
5	Oxygen Pipe Diffusion in Sapphire Basal Dislocation. Journal of the Ceramic Society of Japan, 2006, 114, 1013-1017.	1.3	46
6	Polymorphs of Cobalt Oxide. Journal of the American Ceramic Society, 1991, 74, 270-273.	3.8	36
7	Temperature Dependent Brittle Fracture of Undoped and Impurity Doped Sapphire Fibers. , 0, , 581-589.		14
8	Room-Temperature Plastic Deformation of Strontium Titanate Crystals Grown from Different Chemical Compositions. Crystals, 2017, 7, 351.	2.2	13
9	Hot-Grip Tensile Method for Alumina-Fiber Testing. Journal of the American Ceramic Society, 1993, 76, 3167-3169.	3.8	9
10	Tensile Properties of Alumina Fibers Using Hot-Grips. Journal of the American Ceramic Society, 1994, 77, 2609-2614.	3.8	9
11	Crystal Dislocations: Their Impact on Physical Properties of Crystals. Crystals, 2018, 8, 413.	2.2	3