Adam J Stevenson

List of Publications by Year
in descending order

20	1,867	567281 15	839539 18
papers	citations	h-index	g-index

21	21	21	2269
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fabrication of ice-templated tubes by rotational freezing: Microstructure, strength, and permeability. Journal of the European Ceramic Society, 2017, 37, 2423-2429.	5.7	22
2	The effect of wall thickness distribution on mechanical reliability and strength in unidirectional porous ceramics. Science and Technology of Advanced Materials, 2016, 17, 128-135.	6.1	31
3	Gas permeability of ice-templated, unidirectional porous ceramics. Science and Technology of Advanced Materials, 2016, 17, 313-323.	6.1	31
4	Mechanical properties and failure behavior of unidirectional porous ceramics. Scientific Reports, 2016, 6, 24326.	3.3	84
5	Strong, tough and stiff bioinspired ceramics from brittle constituents. Nature Materials, 2014, 13, 508-514.	27.5	716
6	Templated Grain Growth in Macroporous Materials. Journal of the American Ceramic Society, 2014, 97, 1736-1742.	3.8	47
7	Parasitic Light Absorption Processes in Transparent Polycrystalline <scp><scp>MgAl</scp></scp>₂<scp><scp>O</scp></scp>₄ and <scp>YAG</scp>. Journal of the American Ceramic Society, 2013, 96, 3523-3529.	3.8	20
8	Effect of Yb3+ concentration on optical properties of Yb:CaF2 transparent ceramics. Optical Materials, 2012, 34, 965-968.	3.6	65
9	Low temperature, transient liquid phase sintering of B₂O₃-SiO₂-doped Nd:YAG transparent ceramics. Journal of Materials Research, 2011, 26, 1151-1158.	2.6	52
10	Effect of SiO2 on Densification and Microstructure Development in Nd:YAG Transparent Ceramics. Journal of the American Ceramic Society, 2011, 94, 1380-1387.	3.8	130
11	Fluoride materials for optical applications: Single crystals, ceramics, glasses, and glassâ€“ceramics. Journal of Fluorine Chemistry, 2011, 132, 1165-1173.	1.7	105
12	Color center formation in vacuum sintered Nd3xY3â^'3xAl5O12 transparent ceramics. Applied Physics Letters, 2011, 98, 051906.	3.3	26
13	Last advances in Yb3+doped CaF 2 ceramics synthesis. , 2011, , .		3
14	Firstâ€Principles Thermochemistry and Thermodynamic Modeling of the Al₂O₃â€“Nd₂O₃â€“SiO₂â€“Y₂O₃ Pseudoquaternary System. Journal of the American Ceramic Society, 2010, 93, 4158-4167.	3.8	12
15	Hot Isostatic Pressing of Transparent Nd:YAG Ceramics. Journal of the American Ceramic Society, 2009, 92, 1456-1463.	3.8	153
16	Sintering and grain growth in SiO2 doped Nd:YAG. Journal of the European Ceramic Society, 2008, 28, 1527-1534.	5.7	159
17	Toward Pore-Free Ceramics. Science, 2008, 322, 383-384.	12.6	190
18	First-Principles Calculations and Thermodynamic Modeling of the Al2O3-Nd2O3System. Journal of the American Ceramic Society, 2008, 91, 3355-3361.	3.8	12

#	Article	IF	Citations
19	EDX Analysis of Grain Boundary Segregation in 1 at% Nd Doped Polycrystalline YAG. Microscopy and Microanalysis, 2008, 14, 1420-1421.	0.4	0
20	Confocal Micro-Fluorescence and Raman Spectroscopy across Grain Boundaries in Transparent Nd³⁺:YAG Ceramic Laser Gain Media. , 2007, , .		0