

# Vaclav Pouchly

## List of Publications by Year in descending order

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papers

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citations

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docs citations

24  
times ranked

567  
citing authors

#	ARTICLE	IF	CITATIONS
1	Water-assisted cold isostatic pressing to enhance sinterability of alumina ceramics. International Journal of Applied Ceramic Technology, 2022, 19, 1249-1254.	2.1	3
2	Viscous flow spark plasma sintering of glass microspheres with YAG composition and high tendency to crystallization. Journal of the European Ceramic Society, 2021, 41, 1537-1542.	5.7	6
3	Thermally-insulated ultra-fast high temperature sintering (UHS) of zirconia: A master sintering curve analysis. Scripta Materialia, 2021, 203, 114076.	5.2	28
4	Transparent magnesium aluminate spinel: Effect of critical temperature in two-stage spark plasma sintering. Journal of the European Ceramic Society, 2020, 40, 2417-2425.	5.7	25
5	Improved microstructure of alumina ceramics prepared from DBD plasma activated powders. Journal of the European Ceramic Society, 2019, 39, 1297-1303.	5.7	6
6	Microstructure and phase composition of steatite ceramics sintered by traditional and spark plasma sintering. Science of Sintering, 2018, 50, 299-312.	1.4	5
7	Dilatometric study of anisotropic sintering of alumina/zirconia laminates with controlled fracture behaviour. Journal of the European Ceramic Society, 2017, 37, 4287-4295.	5.7	16
8	Colloidal processing of low-concentrated zirconia nanosuspension using osmotic consolidation. Ceramics International, 2016, 42, 11838-11843.	4.8	6
9	Sintering kinetic window for yttria-stabilized cubic zirconia. Journal of the European Ceramic Society, 2016, 36, 2931-2936.	5.7	19
10	Luminescent rare-earth-doped transparent alumina ceramics. Journal of the European Ceramic Society, 2016, 36, 2975-2980.	5.7	34
11	A practical approach for the calculation of the activation energy of the sintering. Science of Sintering, 2016, 48, 317-324.	1.4	5
12	Intensive particle rearrangement in the early stage of spark plasma sintering process. Journal of Asian Ceramic Societies, 2015, 3, 183-187.	2.3	22
13	Grain growth suppression in alumina via doping and two-step sintering. Ceramics International, 2015, 41, 11975-11983.	4.8	46
14	Processing of zirconia nanoceramics from a coarse powder. Journal of the European Ceramic Society, 2015, 35, 1285-1295.	5.7	16
15	Preparation of Transparent 3Y-TZP Nanoceramics with No Low-Temperature Degradation. Journal of the American Ceramic Society, 2014, 97, 1402-1406.	3.8	23
16	Densification of fine-grained alumina ceramics doped by magnesia, yttria and zirconia evaluated by two different sintering models. Journal of the European Ceramic Society, 2014, 34, 4363-4372.	5.7	41
17	Advantages of combined sintering compared to conventional sintering of mechanically activated magnesium titanate. Science of Sintering, 2014, 46, 283-290.	1.4	5
18	Two-stage master sintering curve applied to two-step sintering of oxide ceramics. Journal of the European Ceramic Society, 2013, 33, 2275-2283.	5.7	50

#	ARTICLE	IF	CITATIONS
19	Master Sintering Surface: A practical approach to its construction and utilization for Spark Plasma Sintering prediction. Science of Sintering, 2012, 44, 169-175.	1.4	10
20	Preparation of Transparent Nanoceramics by Suppressing Pore Coalescence. Journal of the American Ceramic Society, 2011, 94, 4269-4273.	3.8	27
21	Two-Step Sintering of oxide ceramics with various crystal structures. Journal of the European Ceramic Society, 2010, 30, 583-589.	5.7	91
22	Master sintering curve: A practical approach to its construction. Science of Sintering, 2010, 42, 25-32.	1.4	44
23	Master sintering curves of two different alumina powder compacts. Processing and Application of Ceramics, 2009, 3, 177-180.	0.8	7
24	TWO-STEP SINTERING AND SPARK PLASMA SINTERING OF $\text{Al}_2\text{O}_3$ , $\text{ZrO}_2$ AND $\text{SrTiO}_3$ CERAMICS. Integrated Ferroelectrics, 2008, 99, 114-124.	0.7	34