Francois Mear

List of Publications by Year
in descending order

43	922	643344 15	536525 29
papers	citations	h-index	g-index

43	43	43	955
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Crystallization mechanism of BaO-CaO-Al2O3-SiO2 (BCAS) glass thin-films. Journal of Non-Crystalline Solids, 2021, 551, 120406.	1.5	6
2	Role of vanadium oxide on the lithium silicate glass structure and properties. Journal of the American Ceramic Society, 2021, 104, 2495-2505.	1.9	10
3	Chemical durability evaluation of silver phosphateâ€“based glasses designed for the conditioning of radioactive iodine. Journal of Nuclear Materials, 2021, 550, 152919.	1.3	7
4	Further insights on the thermal degradation of aluminum metaphosphate prepared from aluminum dihydrogen phosphate solution. Journal of the European Ceramic Society, 2021, 41, 4970-4976.	2.8	11
5	Structure â€“ Properties study of Na2Oâ€“CaOâ€“PbOâ€“P2O5 metaphosphate glasses. Solid State Sciences, 2021, 118, 106666.	1.5	4
6	Effect of the process atmosphere on glass foam synthesis: A high-temperature environmental scanning electron microscopy (HT-ESEM) study. Ceramics International, 2021, 47, 26042-26049.	2.3	3
7	Influence of V2O5 on a sealing glass and self-healing VB2-glass composites. Solid State Sciences, 2021, 119, 106706.	1.5	0
8	Glass Reactivity at High Temperature. Microscopy and Microanalysis, 2021, 27, 49-50.	0.2	1
9	Niobium- and bismuth-silver phosphate glasses for the conditioning of radioactive iodine. Journal of Non-Crystalline Solids, 2019, 510, 51-61.	1.5	16
10	Glass Recycling. Springer Handbooks, 2019, , 1355-1377.	0.3	14
11	Molybdenum Influence on the Mixed-Alkali Effect of Lithiumâ€“Sodium Phosphate Glasses. Journal of Physical Chemistry C, 2018, 122, 15886-15891.	1.5	8
12	71 Ga- 77 Se connectivities and proximities in gallium selenide crystal and glass probed by solid-state NMR. Journal of Magnetic Resonance, 2017, 282, 71-82.	1.2	5
13	Aluminosilicate glass thin films elaborated by pulsed laser deposition. Applied Surface Science, 2017, 397, 13-18.	3.1	7
14	2Dâ€•and 3D Observation and Mechanism of Selfâ€Healing in Glassâ€“Boron Composites. Journal of the American Ceramic Society, 2016, 99, 849-855.	1.9	8
15	Self-Healing Glassy Thin Coating for High-Temperature Applications. ACS Applied Materials & Interfaces, 2016, 8, 4208-4215.	4.0	19
16	French Studies on the Development of Potential Conditioning Matrices for Iodine 129. Materials Research Society Symposia Proceedings, 2015, 1744, 15-20.	0.1	11
17	Bismuth silver phosphate glasses as alternative matrices for the conditioning of radioactive iodine. Journal of Commonwealth Law and Legal Education, 2015, 56, 71-75.	0.2	6
18	MatÃ©riaux vitreux auto-cicatrisants pour application Ã haute tempÃ©rature, Ã©laborÃ©s sous forme de couches minces. Materiaux Et Techniques, 2015, 103, 406.	0.3	0

#	Article	IF	Citations
19	Immobilization of radioactive iodine in silver aluminophosphate glasses. Journal of Hazardous Materials, 2014, 264, 117-126.	6.5	43
20	Synergic effect of V2O5 and P2O5 on the sealing properties of bariumâ€“strontiumâ€“alumino-silicate glass/glassâ€“ceramics. International Journal of Hydrogen Energy, 2013, 38, 15542-15552.	3.8	13
21	Development and characterisation of glass and glass ceramic sealants for solid oxide electrolyser cells. Ionics, 2012, 18, 441-447.	1.2	3
22	A new formulation of bariumâ€“strontium silicate glasses and glass-ceramics for high-temperature sealant. International Journal of Hydrogen Energy, 2012, 37, 11360-11369.	3.8	21
23	Development and characterization of glass-ceramic sealants in the (CaOâ€“Al2O3â€“SiO2â€“B2O3) system for Solid Oxide Electrolyzer Cells. Journal of Power Sources, 2012, 216, 227-236.	4.0	26
24	New viscous sealing glasses for electrochemical cells. International Journal of Hydrogen Energy, 2012, 37, 9351-9358.	3.8	21
25	Influence of the Active Particles on the Selfâ€Healing Efficiency in Glassy Matrix. Advanced Engineering Materials, 2011, 13, 426-435.	1.6	12
26	Characterization of lead, barium and strontium leachability from foam glasses elaborated using waste cathode ray-tube glasses. Journal of Hazardous Materials, 2011, 185, 236-241.	6.5	52
27	Autonomic Selfâ€Repairing Glassy Materials. Advanced Functional Materials, 2010, 20, 4371-4374.	7.8	38
28	Characterization of self-healing glassy composites by high-temperature environmental scanning electron microscopy (HT-ESEM). Journal of Electron Microscopy, 2010, 59, 359-366.	0.9	12
29	Structural investigations of rapidly solidified Mgâ€“Cuâ€“Y alloys. Journal of Alloys and Compounds, 2010, 496, 149-154.	2.8	12
30	MatÃ©riaux vitreux autocicatrisants pour application Ã haute tempÃ©rature. Materiaux Et Techniques, 2010, 98, 403-407.	0.3	1
31	Structural relaxation and rejuvenation in a metallic glass induced by shot-peening. Philosophical Magazine Letters, 2009, 89, 831-840.	0.5	98
32	Lead extraction from waste funnel cathode-ray tubes glasses by reaction with silicon carbide and titanium nitride. Journal of Hazardous Materials, 2009, 172, 117-123.	6.5	63
33	Structural characterization of a Cu(II) thin-film aging in a Cu-nitrate solution. Applied Surface Science, 2009, 255, 6607-6611.	3.1	4
34	Structural effects of shot-peening in bulk metallic glasses. Journal of Alloys and Compounds, 2009, 483, 256-259.	2.8	20
35	Influence of AlN, TiN and SiC reduction on the structural environment of lead in waste cathode-ray tubes glass: an x-ray absorption spectroscopy study. Journal of Physics Condensed Matter, 2009, 21, 285104.	0.7	6
36	Highly inhomogeneous compressive plasticity in nanocrystal-toughened Zrâ€“Cuâ€“Niâ€“Al bulk metallic glass. Philosophical Magazine Letters, 2009, 89, 276-281.	0.5	11

#	Article	IF	Citations
37	Spark Plasma Sintering of Mg-Based Amorphous Ball-Milled Powders. Materials Transactions, 2009, 50, 588-591.	0.4	13
38	Residual-stress distribution in shot-peened metallic-glass plate. Philosophical Magazine Letters, 2008, 88, 757-766.	0.5	40
39	Local structure around lead, barium and strontium in waste cathode-ray tube glasses. Journal of Non-Crystalline Solids, 2007, 353, 4640-4646.	1.5	40
40	Mechanical behaviour and thermal and electrical properties of foam glass. Ceramics International, 2007, 33, 543-550.	2.3	79
41	Characterisation of porous glasses prepared from Cathode Ray Tube (CRT). Powder Technology, 2006, 162, 59-63.	2.1	61
42	Effects of temperature, reaction time and reducing agent content on the synthesis of macroporous foam glasses from waste funnel glasses. Materials Letters, 2006, 60, 929-934.	1.3	95
43	Characterization and Performance of Glass-Ceramic Sealants for SOECs. Advances in Science and Technology, 0, , .	0.2	2