

# John W Phair

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

1,392  
citations

567144

15  
h-index

794469

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1422  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of silicate activator pH on the leaching and material characteristics of waste-based inorganic polymers. <i>Minerals Engineering</i> , 2001, 14, 289-304.	1.8	230
2	Effect of the silicate activator pH on the microstructural characteristics of waste-based geopolymers. <i>International Journal of Mineral Processing</i> , 2002, 66, 121-143.	2.6	228
3	Green chemistry for sustainable cement production and use. <i>Green Chemistry</i> , 2006, 8, 763.	4.6	146
4	Developments and Design of Novel (Non-Palladium-Based) Metal Membranes for Hydrogen Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 5657-5674.	1.8	142
5	Mechanism of Polysialation in the Incorporation of Zirconia into Fly Ash-Based Geopolymers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2000, 39, 2925-2934.	1.8	119
6	Effect of Al source and alkali activation on Pb and Cu immobilisation in fly-ash based "geopolymers". <i>Applied Geochemistry</i> , 2004, 19, 423-434.	1.4	117
7	Characterization of Fly-Ash-Based Geopolymeric Binders Activated with Sodium Aluminate. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 4242-4251.	1.8	87
8	Characteristics of aluminosilicate hydrogels related to commercial "Geopolymers". <i>Materials Letters</i> , 2003, 57, 4356-4367.	1.3	47
9	Rheological Analysis of Concentrated Zirconia Pastes with Ethyl Cellulose for Screen Printing SOFC Electrolyte Films. <i>Journal of the American Ceramic Society</i> , 2008, 91, 2130-2137.	1.9	45
10	Leveling and thixotropic characteristics of concentrated zirconia inks for screen-printing. <i>Rheologica Acta</i> , 2009, 48, 121-133.	1.1	45
11	Densification and grain growth during early-stage sintering of $Ce_{0.9}Gd_{0.1}O_{1.95}$ in a reducing atmosphere. <i>Acta Materialia</i> , 2010, 58, 3860-3866.	3.8	38
12	EMF measurements on mixed protonic/electronic conductors for hydrogen membrane applications. <i>Solid State Ionics</i> , 2010, 181, 249-255.	1.3	35
13	Room Temperature Solid Surface Water with Tetrahedral Jumps of $^2H$ Nuclei Detected in $2H_2O$ -Hydrated Porous Silicates. <i>Journal of Physical Chemistry B</i> , 2004, 108, 17783-17790.	1.2	26
14	Interaction of sodium silicate with zirconia and its consequences for polysialation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 182, 143-159.	2.3	22
15	Elastic and structural properties of alkaline-calcium silica hydrogels. <i>Journal of Materials Research</i> , 2005, 20, 344-349.	1.2	17
16	Room-Temperature Icelike Water in Kanemite Detected by $^2H$ NMR T1 Relaxation. <i>Langmuir</i> , 2005, 21, 527-529.	1.6	15
17	Investigation of the State of Water in Hydrating Layered Sodium Disilicate in Crystalline and Amorphous Forms by Quasi-Elastic Neutron Scattering. <i>Chemistry of Materials</i> , 2004, 16, 5042-5050.	3.2	14
18	Small-Angle Neutron Scattering and Rheological Characterization of Aluminosilicate Hydrogels. <i>Journal of the American Ceramic Society</i> , 2004, 87, 129-137.	1.9	12

#	ARTICLE	IF	CITATIONS
19	Performance Analysis of a Novel Pyroelectric Device for Non-Dispersive Infra-Red CO <sub>2</sub> Detection. IEEE Sensors Journal, 2019, 19, 6006-6011.	2.4	7