

# John W Phair

## List of Publications by Year in descending order

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

#	ARTICLE	IF	CITATIONS
19	Mechanism of Polysialation in the Incorporation of Zirconia into Fly Ash-Based Geopolymers. Industrial & Engineering Chemistry Research, 2000, 39, 2925-2934.	1.8	119