

# Michael Modigell

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

675  
citations

840776

11  
h-index

713466

21  
g-index

29  
all docs

29  
docs citations

29  
times ranked

746  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxyfuel coal combustion by efficient integration of oxygen transport membranes. International Journal of Greenhouse Gas Control, 2011, 5, 7-15.	4.6	137
2	Oxygen permeation and stability investigations on MIEC membrane materials under operating conditions for power plant processes. Journal of Membrane Science, 2011, 370, 58-69.	8.2	102
3	OXYCOAL-AC: Towards an integrated coal-fired power plant process with ion transport membrane-based oxygen supply. Energy and Environmental Science, 2010, 3, 198-207.	30.8	83
4	Non-thermal production of pure hydrogen from biomass: HYVOLUTION. Journal of Cleaner Production, 2010, 18, S4-S8.	9.3	65
5	Photoproduction of hydrogen by Rhodobacter capsulatus from thermophilic fermentation effluent. Bioprocess and Biosystems Engineering, 2009, 32, 603-606.	3.4	48
6	Comparison of two reactor concepts for anoxygenic H <sub>2</sub> production by Rhodobacter capsulatus. Journal of Cleaner Production, 2010, 18, S36-S42.	9.3	38
7	Rheological Characterization of Semi-Solid Metals: A Review. Metals, 2018, 8, 245.	2.3	35
8	A membrane contactor for efficient CO <sub>2</sub> removal in biohydrogen production. Desalination, 2008, 224, 186-190.	8.2	30
9	Membrane module for pilot scale oxygen production. Journal of Membrane Science, 2019, 574, 252-261.	8.2	24
10	A novel gas purification system for biologically produced gases. Journal of Cleaner Production, 2010, 18, S43-S50.	9.3	23
11	The Rheological Behaviour of Metallic Suspensions. Steel Research International, 2004, 75, 506-512.	1.8	16
12	Two-Phase Simulations as a Development Tool for Thixoforming Processes. Steel Research International, 2004, 75, 513-518.	1.8	14
13	Dynamic and Static Yield Stress of Metallic Suspensions. Solid State Phenomena, 2006, 116-117, 587-590.	0.3	8
14	Rheology of Semi-Solid Steel Alloys at Temperatures up to 1500°C. Solid State Phenomena, 2006, 116-117, 606-609.	0.3	7
15	Development of a zero emission coal-fired power plant by means of mixed ion conducting high temperature membranes. Desalination, 2006, 199, 291-292.	8.2	6
16	Rheological Investigation of Semisolid AlSi7 Alloy by Means of Oscillation Experiments. Solid State Phenomena, 0, 285, 385-390.	0.3	6
17	Investigation of Correlations between Shear History and Microstructure of Semi-Solid Alloys. Solid State Phenomena, 2012, 192-193, 251-256.	0.3	5
18	Yield Stress in Semi-Solid Alloys – The Dependency on Time and Deformation History. Key Engineering Materials, 0, 554-557, 523-535.	0.4	5

#	ARTICLE	IF	CITATIONS
19	A Comparison of Measuring Devices Used to Prevent Wall Slip in Viscosity Measurements of Metallic Suspensions. Solid State Phenomena, 0, 141-143, 307-312.	0.3	4
20	A High-Precision Rotational Rheometer for Temperatures up to 1700 Å°C. Solid State Phenomena, 2012, 192-193, 359-364.	0.3	4
21	The Influence of Particle Size on Viscosity in Thixo Material. Key Engineering Materials, 2012, 504-506, 333-338.	0.4	3
22	Simulation of acement plant using thermochemical and flow simulation tools. Computer Aided Chemical Engineering, 2005, 20, 361-366.	0.5	2
23	Separation of fuel gases of microbial origin by using active membrane systems. Desalination, 2006, 200, 588-590.	8.2	2
24	Non-equilibrium modelling for the LD converter. , 2008, , 425-436.		2
25	Profiling carbohydrate composition, biohydrogen capacity, and disease resistance in potato. Electronic Journal of Biotechnology, 2013, 16, .	2.2	2
26	Semisolid Metals: A Suspension with Non-Newtonian Liquid Matrix. Solid State Phenomena, 2014, 217-218, 166-173.	0.3	1
27	Visco-Elastic Properties of Semi-Solid Alloys. Solid State Phenomena, 0, 327, 119-126.	0.3	1
28	Wall Slip Effect in Couette Rheometers. Solid State Phenomena, 2012, 192-193, 353-358.	0.3	0