

David G Dixon

List of Publications by Year in descending order

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29
papers

1,049
citations

516710

16
h-index

526287

27
g-index

31
all docs

31
docs citations

31
times ranked

822
citing authors

#	ARTICLE	IF	CITATIONS
1	Zero-order release from biphasic polymer hydrogels. <i>Journal of Controlled Release</i> , 1995, 34, 185-192.	9.9	200
2	Analysis of heat conservation during copper sulphide heap leaching. <i>Hydrometallurgy</i> , 2000, 58, 27-41.	4.3	83
3	Pressure oxidation of pyrite in sulfuric acid media: a kinetic study. <i>Hydrometallurgy</i> , 2004, 73, 335-349.	4.3	83
4	Investigative study into the hydrodynamics of heap leaching processes. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2001, 32, 763-776.	2.1	76
5	The Active-Passive Behavior of Chalcopyrite. <i>Journal of the Electrochemical Society</i> , 2007, 154, C299.	2.9	73
6	A model for silver ion catalysis of chalcopyrite (CuFeS ₂) dissolution. <i>Hydrometallurgy</i> , 2015, 155, 95-104.	4.3	57
7	A mathematical model for heap leaching of one or more solid reactants from porous ore pellets. <i>Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science</i> , 1993, 24, 1087-1102.	0.4	53
8	Electrochemical hysteresis and bistability in chalcopyrite passivation. <i>Hydrometallurgy</i> , 2010, 105, 140-147.	4.3	48
9	Electrochemical study of leached chalcopyrite using solid paraffin-based carbon paste electrodes. <i>Hydrometallurgy</i> , 2011, 110, 1-12.	4.3	45
10	Leaching kinetics and stoichiometry of pyrite oxidation from a pyrite- α -marcasite concentrate in acid ferric sulfate media. <i>Hydrometallurgy</i> , 2006, 84, 225-238.	4.3	44
11	Modeling the cyanide heap leaching of cupriferous gold ores. <i>Hydrometallurgy</i> , 1999, 52, 151-175.	4.3	28
12	Evaluation of kinetic and diffusion phenomena in cyanide leaching of crushed and run-of-mine gold ores. <i>Hydrometallurgy</i> , 2007, 86, 63-71.	4.3	27
13	Theoretical basis for variable order assumption in the kinetics of leaching of discrete grains. <i>AIChE Journal</i> , 1993, 39, 904-907.	3.6	24
14	Modeling pyrite bioleaching in isothermal test columns with the HeapSim model. <i>Hydrometallurgy</i> , 2009, 95, 215-226.	4.3	24
15	Principles, Mechanisms And Dynamics Of Chalcocite Heap Bioleaching. , 2007, , 193-218.		20
16	In situ electrochemical characterization of natural pyrite as a galvanic catalyst using single-particle microelectrode technique in ferric sulfate solutions. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 235-267.	2.5	19
17	Mathematical model of mass transport through dispersed-phase polymer networks. <i>AIChE Journal</i> , 1995, 41, 805-811.	3.6	17
18	Modelling the kinetics of chalcocite leaching in acidified ferric chloride media under fully controlled pH and potential. <i>Hydrometallurgy</i> , 2019, 186, 275-283.	4.3	17

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19	Modelling the kinetics of chalcocite leaching in acidified cupric chloride media under fully controlled pH and potential. Hydrometallurgy, 2019, 189, 105114.	4.3	16
20	Modeling and Optimization of Heap Bioleach Processes. , 2007, , 153-176.		16
21	The Active-to-passive Transition of Chalcopyrite. ECS Transactions, 2006, 2, 165-175.	0.5	14
22	Pressure oxidation kinetics of orpiment (As ₂ S ₃) in sulfuric acid. Hydrometallurgy, 2007, 85, 95-102.	4.3	13
23	HEAP BIOOXIDATION OF REFRACTORY GOLD ORES: CURRENT STATE OF THE ART. Mineral Processing and Extractive Metallurgy Review, 2004, 25, 159-192.	5.0	11
24	On the refractory nature of precious metal tellurides. Hydrometallurgy, 2017, 169, 488-495.	4.3	11
25	Modeling the performance of pyritic biooxidation heaps under various design and operating conditions. Hydrometallurgy, 2009, 95, 227-238.	4.3	10
26	Catalytic effect of ethylene thiourea on the leaching of chalcopyrite. Hydrometallurgy, 2020, 196, 105410.	4.3	9
27	Transpassive Electrochemistry of Chalcopyrite Microparticles. Journal of the Electrochemical Society, 2011, 159, C8-C14.	2.9	4
28	Modeling the distribution of an adsorbing solute in a catalyzed column. Minerals Engineering, 2022, 182, 107556.	4.3	3
29	HeapSim2D – A 2D axisymmetric model of heap leaching under drip emitters I. Hydrology and solute transport. Minerals Engineering, 2022, 183, 107555.	4.3	3