

David G Dixon

List of Publications by Year in descending order

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29
papers

1,049
citations

516710

16
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526287

27
g-index

31
all docs

31
docs citations

31
times ranked

822
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling the distribution of an adsorbing solute in a catalyzed column. Minerals Engineering, 2022, 182, 107556.	4.3	3
2	HeapSim2D – A 2D axisymmetric model of heap leaching under drip emitters I. Hydrology and solute transport. Minerals Engineering, 2022, 183, 107555.	4.3	3
3	Catalytic effect of ethylene thiourea on the leaching of chalcopyrite. Hydrometallurgy, 2020, 196, 105410.	4.3	9
4	Modelling the kinetics of chalcocite leaching in acidified cupric chloride media under fully controlled pH and potential. Hydrometallurgy, 2019, 189, 105114.	4.3	16
5	Modelling the kinetics of chalcocite leaching in acidified ferric chloride media under fully controlled pH and potential. Hydrometallurgy, 2019, 186, 275-283.	4.3	17
6	On the refractory nature of precious metal tellurides. Hydrometallurgy, 2017, 169, 488-495.	4.3	11
7	A model for silver ion catalysis of chalcopyrite (CuFeS ₂) dissolution. Hydrometallurgy, 2015, 155, 95-104.	4.3	57
8	In situ electrochemical characterization of natural pyrite as a galvanic catalyst using single-particle microelectrode technique in ferric sulfate solutions. Journal of Solid State Electrochemistry, 2013, 17, 235-267.	2.5	19
9	Electrochemical study of leached chalcopyrite using solid paraffin-based carbon paste electrodes. Hydrometallurgy, 2011, 110, 1-12.	4.3	45
10	Transpassive Electrochemistry of Chalcopyrite Microparticles. Journal of the Electrochemical Society, 2011, 159, C8-C14.	2.9	4
11	Electrochemical hysteresis and bistability in chalcopyrite passivation. Hydrometallurgy, 2010, 105, 140-147.	4.3	48
12	Modeling pyrite bioleaching in isothermal test columns with the HeapSim model. Hydrometallurgy, 2009, 95, 215-226.	4.3	24
13	Modeling the performance of pyritic biooxidation heaps under various design and operating conditions. Hydrometallurgy, 2009, 95, 227-238.	4.3	10
14	The Active-Passive Behavior of Chalcopyrite. Journal of the Electrochemical Society, 2007, 154, C299.	2.9	73
15	Principles, Mechanisms And Dynamics Of Chalcocite Heap Bioleaching. , 2007, , 193-218.		20
16	Pressure oxidation kinetics of orpiment (As ₂ S ₃) in sulfuric acid. Hydrometallurgy, 2007, 85, 95-102.	4.3	13
17	Evaluation of kinetic and diffusion phenomena in cyanide leaching of crushed and run-of-mine gold ores. Hydrometallurgy, 2007, 86, 63-71.	4.3	27
18	Modeling and Optimization of Heap Bioleach Processes. , 2007, , 153-176.		16

#	ARTICLE	IF	CITATIONS
19	Leaching kinetics and stoichiometry of pyrite oxidation from a pyrite-marcasite concentrate in acid ferric sulfate media. Hydrometallurgy, 2006, 84, 225-238.	4.3	44
20	The Active-to-passive Transition of Chalcopyrite. ECS Transactions, 2006, 2, 165-175.	0.5	14
21	HEAP BIOOXIDATION OF REFRACTORY GOLD ORES: CURRENT STATE OF THE ART. Mineral Processing and Extractive Metallurgy Review, 2004, 25, 159-192.	5.0	11
22	Pressure oxidation of pyrite in sulfuric acid media: a kinetic study. Hydrometallurgy, 2004, 73, 335-349.	4.3	83
23	Investigative study into the hydrodynamics of heap leaching processes. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2001, 32, 763-776.	2.1	76
24	Analysis of heat conservation during copper sulphide heap leaching. Hydrometallurgy, 2000, 58, 27-41.	4.3	83
25	Modeling the cyanide heap leaching of cupriferous gold ores. Hydrometallurgy, 1999, 52, 151-175.	4.3	28
26	Mathematical model of mass transport through dispersed-phase polymer networks. AIChE Journal, 1995, 41, 805-811.	3.6	17
27	Zero-order release from biphasic polymer hydrogels. Journal of Controlled Release, 1995, 34, 185-192.	9.9	200
28	Theoretical basis for variable order assumption in the kinetics of leaching of discrete grains. AIChE Journal, 1993, 39, 904-907.	3.6	24
29	A mathematical model for heap leaching of one or more solid reactants from porous ore pellets. Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science, 1993, 24, 1087-1102.	0.4	53