

Mehran Behazin

List of Publications by Year in descending order

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1040056

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19
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19
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159
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of 40 years of radiation on the integrity of copper. Journal of Nuclear Materials, 2022, 559, 153411.	2.7	5
2	Galvanic Coupling of Copper and Carbon Steel in the Presence of Bentonite Clay and Chloride. Journal of the Electrochemical Society, 2022, 169, 051502.	2.9	3
3	Exploring the governing transport mechanisms of corrosive agents in a Canadian deep geological repository. Science of the Total Environment, 2022, 828, 153944.	8.0	5
4	The nature of the copper sulfide film grown on copper in aqueous sulfide and chloride solutions. Materials and Corrosion - Werkstoffe Und Korrosion, 2021, 72, 300-307.	1.5	12
5	An update on the copper corrosion program for the long-term management of used nuclear fuel in Canada. Materials and Corrosion - Werkstoffe Und Korrosion, 2021, 72, 25-31.	1.5	11
6	An evaluation of corrosion processes affecting copper-coated nuclear waste containers in a deep geological repository. Progress in Materials Science, 2021, 118, 100766.	32.8	59
7	A comparison of the corrosion behaviour of copper materials in dilute nitric acid. Corrosion Science, 2021, 192, 109778.	6.6	14
8	Galvanic Corrosion of Copper/Carbon Steel Couples Under Simulated Disposal Conditions for Used Nuclear Fuel. ECS Meeting Abstracts, 2021, MA2021-02, 576-576.	0.0	0
9	A Review of the Effect of Irradiation on the Corrosion of Copper-Coated Used Fuel Containers. Corrosion and Materials Degradation, 2021, 2, 678-707.	2.4	8
10	The anodic formation of sulfide and oxide films on copper in borate-buffered aqueous chloride solutions containing sulfide. Electrochimica Acta, 2020, 362, 137087.	5.2	9
11	Corrosion of copper-coated used nuclear fuel containers due to oxygen trapped in a Canadian deep geological repository. Corrosion Engineering Science and Technology, 2018, 53, 309-315.	1.4	15
12	The corrosion of copper in irradiated and unirradiated humid air. Corrosion Science, 2018, 141, 53-62.	6.6	28
13	The Effects of Cathodic Reagent Concentration and Small Solution Volumes on the Corrosion of Copper in Dilute Nitric Acid Solutions. Corrosion, 2018, 74, 326-336.	1.1	12
14	Mass and Charge Balance (MCB) Model Simulations of Current, Oxide Growth and Dissolution during Corrosion of Co-Cr Alloy Stellite-6. Journal of the Electrochemical Society, 2016, 163, C94-C105.	2.9	7
15	Potentiostatic Oxide Growth Kinetics on Ni-Cr and Co-Cr Alloys: Potential and pH Dependences. Electrochimica Acta, 2015, 162, 185-197.	5.2	13
16	Combined Effects of pH and I^{137} -Irradiation on the Corrosion of Co-Cr Alloy Stellite-6. Electrochimica Acta, 2014, 134, 399-410.	5.2	16
17	Effect of Gamma-Irradiation On Stellite-6 Corrosion: Dependence On pH and Temperature. ECS Meeting Abstracts, 2013, , .	0.0	0
18	Comparative study of film formation on high-purity Co and Stellite-6: Probing the roles of a chromium oxide layer and gamma-radiation. Corrosion Science, 2012, 63, 40-50.	6.6	28