

Yassine El Mendili

List of Publications by Year in descending order

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38
papers

834
citations

516561

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#	ARTICLE	IF	CITATIONS
1	Insights into the Mechanism Related to the Phase Transition from $\hat{\Gamma}^3\text{-Fe}_{2\text{O}_3}$ to $\hat{\Gamma}^\pm\text{-Fe}_{2\text{O}_3}$ Nanoparticles Induced by Thermal Treatment and Laser Irradiation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 23785-23792.	1.5	98
2	New evidences of <i>in situ</i> laser irradiation effects on $\hat{\Gamma}^3\text{-Fe}_{2\text{O}_3}$ nanoparticles: a Raman spectroscopic study. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 239-242.	1.2	97
3	Corrosion of carbon steel under sequential aerobic/anaerobic environmental conditions. <i>Corrosion Science</i> , 2013, 76, 432-440.	3.0	74
4	Insight into the mechanism of carbon steel corrosion under aerobic and anaerobic conditions. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9197.	1.3	53
5	Structural behavior of laser-irradiated $\hat{\Gamma}^3\text{-Fe}_{2\text{O}_3}$ nanocrystals dispersed in porous silica matrix : $\hat{\Gamma}^3\text{-Fe}_{2\text{O}_3}$ to $\hat{\Gamma}^\pm\text{-Fe}_{2\text{O}_3}$ phase transition and formation of $\hat{\Gamma}^\mu\text{-Fe}_{2\text{O}_3}$. <i>Science and Technology of Advanced Materials</i> , 2016, 17, 597-609.	2.8	47
6	A Preliminary Investigation of the <i>ISG</i> Glass Vapor Hydration. <i>International Journal of Applied Glass Science</i> , 2013, 4, 307-316.	1.0	34
7	Raman Open Database: first interconnected Raman/X-ray diffraction open-access resource for material identification. <i>Journal of Applied Crystallography</i> , 2019, 52, 618-625.	1.9	34
8	Phase transitions of iron sulphides formed by steel microbial corrosion. <i>RSC Advances</i> , 2013, 3, 26343.	1.7	33
9	A review on physical and data-driven modeling of buildings hygrothermal behavior: Models, approaches and simulation tools. <i>Energy and Buildings</i> , 2021, 251, 111343.	3.1	32
10	Carbon steel corrosion in clay-rich environment. <i>Corrosion Science</i> , 2014, 88, 56-65.	3.0	28
11	Improvement of Thermal Stability of Maghemite Nanoparticles Coated with Oleic Acid and Oleylamine Molecules: Investigations under Laser Irradiation. <i>Journal of Physical Chemistry C</i> , 2015, 119, 10662-10668.	1.5	26
12	Vapor hydration of a simulated borosilicate nuclear waste glass in unsaturated conditions at 50 $\hat{\text{A}}^\circ\text{C}$ and 90 $\hat{\text{A}}^\circ\text{C}$. <i>RSC Advances</i> , 2015, 5, 64538-64549.	1.7	23
13	Impact of heterogeneities and surface roughness on pXRF, pIR, XRD and Raman analyses: Challenges for on-line, real-time combined mineralogical and chemical analyses on drill cores and implication for <i>high speed</i> -Ni-laterite exploration. <i>Journal of Geochemical Exploration</i> , 2019, 198, 1-17.	1.5	22
14	SON68 glass alteration under Si-rich solutions at low temperature (35–90 $\hat{\text{A}}^\circ\text{C}$): kinetics, secondary phases and isotopic exchange studies. <i>RSC Advances</i> , 2016, 6, 72616-72633.	1.7	20
15	Impact of a sulphidogenic environment on the corrosion behavior of carbon steel at 90 $\hat{\text{A}}^\circ\text{C}$. <i>RSC Advances</i> , 2013, 3, 15148.	1.7	17
16	Assignment of Raman-active vibrational modes of tetragonal mackinawite: Raman investigations and ab initio calculations. <i>RSC Advances</i> , 2014, 4, 25827-25834.	1.7	17
17	The effect of temperature on carbon steel corrosion under geological conditions. <i>Applied Geochemistry</i> , 2015, 52, 76-85.	1.4	17
18	Partial substitution of cement by the association of Ferronickel slags and <i>Crepidula fornicata</i> shells. <i>Journal of Building Engineering</i> , 2021, 33, 101587.	1.6	17

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19	Combined XRF, XRD, SEM-EDS, and Raman Analyses on Serpentinized Harzburgite (Nickel Laterite Mine,) Tj ETQq1 1 0.784314 rgBT /Ov 3, 2237-2249.	1.2	14
20	Microstructure and crystallographic properties of Cu ₇₇ Zn ₂₁ alloy under the effect of heat treatment. Materials at High Temperatures, 2019, 36, 165-172.	0.5	14
21	The Corrosion Behavior of Carbon Steel in Sulfide Aqueous Media at 30°C. Journal of Materials Engineering and Performance, 2014, 23, 1350-1357.	1.2	13
22	Reactivity Effect of Calcium Carbonate on the Formation of Carboaluminate Phases in Ground Granulated Blast Furnace Slag Blended Cements. Sustainability, 2021, 13, 6504.	1.6	13
23	Microstructural evolution and texture analysis of magnesium phosphate cement. Journal of the American Ceramic Society, 2020, 103, 1414-1424.	1.9	12
24	Valorisation of stranded Laminaria digitata seaweed as an insulating earth material. Construction and Building Materials, 2021, 308, 125068.	3.2	12
25	The French SON68 Glass Vapor Hydration under Different Atmospheres. , 2014, 7, 179-185.		10
26	Effect of Callovo-Oxfordian clay rock on the dissolution rate of the SON68 simulated nuclear waste glass. Journal of Nuclear Materials, 2015, 459, 291-300.	1.3	10
27	The role of pH in the vapor hydration at 175°C of the French SON68 glass. Applied Geochemistry, 2017, 76, 22-35.	1.4	10
28	Insight into the partial replacement of cement by ferronickel slags from New Caledonia. European Journal of Environmental and Civil Engineering, 2022, 26, 3662-3680.	1.0	6
29	Alteration of vitrified intermediate level nuclear waste in alkaline media: effects of cementitious materials, pH and temperature. RSC Advances, 2018, 8, 37665-37680.	1.7	5
30	Mechanical performance and corrosion resistance of reinforced concrete with marble waste. European Journal of Environmental and Civil Engineering, 2022, 26, 4112-4129.	1.0	5
31	Insight into the structural, elastic and electronic properties of a new orthorhombic 6O-SiC polytype. Scientific Reports, 2020, 10, 7562.	1.6	5
32	Mud-Based Construction Material: Promising Properties of French Gravel Wash Mud Mixed with Byproducts, Seashells and Fly Ash as a Binder. Materials, 2021, 14, 6216.	1.3	5
33	Raman investigations and ab initio calculations of natural diamond-lonsdaleite originating from New Caledonia. Chemical Physics, 2022, 559, 111541.	0.9	4
34	Mechanical and hygrothermal performance of fly-ash and seashells concrete: in situ experimental study and smart hygrothermal modeling for Normandy climate conditions. Archives of Civil and Mechanical Engineering, 2022, 22, 1.	1.9	3
35	Alteration of 29Si-doped SON68 borosilicate nuclear waste glass in the presence of near field materials. Applied Geochemistry, 2019, 111, 104436.	1.4	2
36	Occurrence of SiC and Diamond Polytypes, Chromite and Uranophane in Breccia from Nickel Laterites (New Caledonia): Combined Analyses. Minerals (Basel, Switzerland), 2022, 12, 196.	0.8	2

#	ARTICLE	IF	CITATIONS
37	Building a Hyperspectral Library and its Incorporation into Sparse Unmixing for Mineral Identification. , 2018, , .		0
38	Effect of the sample form on the corrosion behavior of steels for concrete in 3% NaCl medium. Materiaux Et Techniques, 2021, 109, 201.	0.3	0