Rabah Hamzaoui

List of Publications by Year
in descending order

41	944	471371 17	454834 30
papers	citations	h-index	g-index

41	41	41	868
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure and magnetic properties of nanocrystalline mechanically alloyed Feâ€“10% Ni and Feâ€“20% Ni. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 360, 299-305.	2.6	85
2	Microstructure and mechanical performance of modified mortar using hemp fibres and carbon nanotubes. Materials & Design, 2014, 56, 60-68.	5.1	72
3	Structural and thermal behavior of proclay kaolinite using high energy ball milling process. Powder Technology, 2015, 271, 228-237.	2.1	72
4	Milling conditions effect on structure and magnetic properties of mechanically alloyed Feâ€“10% Ni and Feâ€“20% Ni alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 381, 363-371.	2.6	65
5	Efficiency of high energy over conventional milling of granulated blast furnace slag powder to improve mechanical performance of slag cement paste. Powder Technology, 2017, 308, 37-46.	2.1	64
6	The sequel of modified fly ashes using high energy ball milling on mechanical performance of substituted past cement. Materials and Design, 2016, 90, 29-37.	3.3	55
7	Structure and magnetic properties of nanocrystalline Coâ€“Ni and Coâ€“Fe mechanically alloyed. Materials Letters, 2003, 57, 4165-4169.	1.3	48
8	Structure, magnetic and MÃ¶ssbauer studies of mechanically alloyed Feâ€“20wt.% Ni powders. Journal of Alloys and Compounds, 2006, 417, 32-38.	2.8	42
9	Microstructure and mechanical performance of modified hemp fibre and shiv mortars: Discovering the optimal formulation. Materials and Design, 2015, 84, 359-371.	3.3	38
10	Structural characterization and electrochemical hydrogen storage properties of Mg2Ni1â^'xMnx(xÂ=Â0,) Tj ETQq0 0 0 rgBT /Overlock 10 2010, 35, 6794-6803.	3.8	37
11	Three-dimensional simulation of 304L steel TIG welding process: Contribution of the thermal flux. Applied Thermal Engineering, 2015, 89, 822-832.	3.0	36
12	Deposition and characterization of cold sprayed nanocrystalline NiTi. Powder Technology, 2011, 210, 181-188.	2.1	33
13	Artificial neural network methodology: Application to predict magnetic properties of nanocrystalline alloys. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 163, 17-21.	1.7	27
14	Optimal Carbon Nanotubes Concentration Incorporated in Mortar and Concrete. Advanced Materials Research, 0, 587, 107-110.	0.3	24
15	First principles investigation of the substitutional doping of Mn in Mg2Ni phase and the electronic structure of Mg3MnNi2 phase. Journal of Alloys and Compounds, 2011, 509, S328-S333.	2.8	22
16	Magnetic properties of nanocrystalline Feâ€“10%Ni alloy obtained by planetary ball mills. Journal of Alloys and Compounds, 2013, 573, 157-162.	2.8	22
17	Analysis of structure and magnetic properties of nanocrystalline milled alloys. Journal of Alloys and Compounds, 2008, 462, 29-37.	2.8	21
18	PCA effect on structure of fly ashes and slag obtained by mechanosynthesis. Applications: Mechanical performance of substituted paste CEMIâ€¯+â€¯50% slag /or fly ashes. Construction and Building Materials, 2019, 203, 120-133.	3.2	17

#	Article	IF	Citations
19	Introduction of milled kaolinite obtained by mechanosynthesis to cement mixture for the production of mortar: Study of mechanical performance of modified mortar. Powder Technology, 2019, 355, 340-348.	2.1	16
20	Formulation of Modified Cement Mortars Using Optimal Combination of Fly Ashes, Shiv, and Hemp Fibers. Journal of Materials in Civil Engineering, 2020, 32, 04019354.	1.3	16
21	Date palm spikelet in mortar: Testing and modelling to reveal the mechanical performance. Construction and Building Materials, 2016, 124, 228-236.	3.2	15
22	Geotechnical and mineralogical properties of treated clayey soil with dune sand. Journal of African Earth Sciences, 2019, 152, 140-150.	0.9	15
23	Physico-chemical and mechanical properties of fly ash based-geopolymer pastes produced from pre-geopolymer powders obtained by mechanosynthesis. Construction and Building Materials, 2021, 288, 123135.	3.2	15
24	X-ray diffraction and MÃ¶ssbauer studies of mechanically alloyed Feâ€“Ni nanostructured powders. Journal of Magnetism and Magnetic Materials, 2005, 294, e145-e149.	1.0	14
25	Studies of magnetic properties of iron-based coatings produced by a high-velocity oxy-fuel process. Materials Chemistry and Physics, 2005, 92, 419-423.	2.0	13
26	Friction mode and shock mode effect on magnetic properties of mechanically alloyed Fe-based nanocrystalline materials. Journal of Materials Science, 2004, 39, 5139-5142.	1.7	10
27	Microstructure and magnetic properties of FeSiBNbCu-Al cold spray coatings. EPJ Applied Physics, 2008, 43, 79-86.	0.3	8
28	Equivalent Cement Clinker Obtained by Indirect Mechanosynthesis Process. Materials, 2020, 13, 5045.	1.3	8
29	Neural computation to predict magnetic properties of mechanically alloyed Feâ€“10%Ni and Feâ€“20%Ni nanocrystalline. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 119, 164-170.	1.7	5
30	Monte Carlo simulation of uniform corrosion process under potentiostatic conditions. Corrosion Science, 2007, 49, 2880-2904.	3.0	5
31	Penetration testing and thermal behavior of bitumen 35/50 and modified bitumen 13/40. EPJ Applied Physics, 2012, 59, 10201.	0.3	4
32	Chromium stabilization and trapping in the cement matrix of recycled concrete aggregates. Construction and Building Materials, 2018, 191, 667-678.	3.2	4
33	Durability of Moroccan fly ash-based geopolymer binder. Materials Letters, 2021, 304, 130673.	1.3	4
34	Leaching and Mechanical Behaviour of Solidified/Stabilized Nickel Contaminated Soil with Cement and Geosta. International Journal of Environmental Pollution and Remediation, 0, , .	0.0	4
35	Treatment and Recovery of Clay Soils Using Geopolymerization Method. International Journal of Geomechanics, 2021, 21, 04021206.	1.3	3
36	Characterization of the viscoelastic behavior of the pure bitumen grades 10/20 and 35/50 with macroindentation and finite element computation. Journal of Applied Polymer Science, 2013, 130, 3440-3450.	1.3	2

#	Article	IF	Citations
37	Multiobjective Optimization on Urban Flooding Using RSM and GA. Advanced Materials Research, 2011, 255-260, 1627-1631.	0.3	1
38	Using the Fast Multi-Objective Genetic Algorithm to Improve the Urban Flood Modeling. International Journal of Engineering and Technology, 0, , 341-344.	0.1	1
39	Using a Laser Scanning to Construct a 3D Numerical Model to Study the Flooding Risk in Urban Area. International Journal of Engineering and Technology, 0, , 416-419.	0.1	1
40	Optimal Modeling Study of Flooding Phenomenon in Urban Area (Dam break case). International Journal for Simulation and Multidisciplinary Design Optimization, 2010, 4, 149-158.	0.6	0
41	Valorization of Vegetal Fibers in Anti-Fissuration Screed Mortar Formulation. , 0, , .		0