

Alexandre Velhinho

List of Publications by Year in descending order

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27
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623574

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642610

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28
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28
docs citations

28
times ranked

1055
citing authors

#	ARTICLE	IF	CITATIONS
1	Designing Structural Metamaterials. , 2022, 8, .		0
2	Structural metamaterials with negative mechanical/thermomechanical indices: A review. Progress in Natural Science: Materials International, 2021, 31, 801-808.	1.8	23
3	Tomographic image analysis of reinforcement distribution in composites using a flexible and material-agnostic specialist-friendly computational environment. Materials Letters: X, 2020, 7, 100046.	0.3	0
4	Development of polymeric anepectic meshes: auxetic metamaterials with negative thermal expansion. Smart Materials and Structures, 2019, 28, 045010.	1.8	44
5	Graphene oxide-reinforced aluminium-matrix nanostructured composites fabricated by accumulative roll bonding. Composites Part B: Engineering, 2019, 164, 265-271.	5.9	28
6	Bio-inspired production of chitosan/chitin films from liquid crystalline suspensions. Carbohydrate Polymers, 2017, 155, 372-381.	5.1	21
7	Anodization Mechanism on SiC Nanoparticle Reinforced Al Matrix Composites Produced by Power Metallurgy. Materials, 2014, 7, 8151-8167.	1.3	11
8	A synthesis of copper based metal-organic framework for O-acetylation of alcohols. Catalysis Communications, 2014, 44, 24-28.	1.6	13
9	Magnetically recyclable magnetite-palladium (Nanocat-FePd) nanocatalyst for the Buchwald-Hartwig reaction. Green Chemistry, 2014, 16, 3494-3500.	4.6	70
10	Wear characterization of functionally graded AlSiC composite coatings produced by Friction Surfacing. Materials & Design, 2013, 52, 373-383.	5.1	96
11	Nano-MgO-ZrO ₂ mixed metal oxides: characterization by SIMS and application in the reduction of carbonyl compounds and in multicomponent reactions. RSC Advances, 2013, 3, 3611.	1.7	38
12	Region- and Chemoselective Reduction of Nitroarenes and Carbonyl Compounds over Recyclable Magnetic Ferrite-Nickel Nanoparticles (Fe ₃ O ₄ /Ni) by Using Glycerol as a Hydrogen Source. Chemistry - A European Journal, 2012, 18, 12628-12632.	1.7	175
13	A facile synthesis of cysteine-ferrite magnetic nanoparticles for application in multicomponent reactions—a sustainable protocol. RSC Advances, 2012, 2, 6144.	1.7	99
14	Longitudinal centrifugal casting of metal-matrix functionally graded composites: an assessment of modelling issues. Journal of Materials Science, 2011, 46, 3753-3765.	1.7	9
15	Functionally graded materials produced by friction stir processing. Journal of Materials Processing Technology, 2011, 211, 1659-1668.	3.1	116
16	A theoretical approach to the elastic behaviour of compact and hollow spherical particles reinforced metal-matrix composites. International Journal of Materials Research, 2010, 101, 752-757.	0.1	1
17	Corrosion behaviour of aluminium syntactic functionally graded composites. International Journal of Materials and Product Technology, 2010, 39, 122.	0.1	20
18	Application of X-Ray Microtomography to the Microstructural Characterization of Al-Based Functionally Graded Materials. Advances in Science and Technology, 2006, 45, 1109.	0.2	2

#	ARTICLE	IF	CITATIONS
19	Assessment of Particle Clustering in MMCs by Quantitative Image Analysis. Materials Science Forum, 2006, 514-516, 779-783.	0.3	6
20	Evaluation of SiC-Particle Connectivity in Functionally Graded Al/SiC _p Composites by Synchrotron Radiation Holographic Microtomography. Materials Science Forum, 2005, 492-493, 621-626.	0.3	3
21	Tribocorrosion Studies in Centrifugally Cast Al-Matrix SiC _p -reinforced Functionally Graded Composites. Materials Science Forum, 2004, 455-456, 871-875.	0.3	28
22	X-ray tomographic imaging of Al/SiC _p functionally graded composites fabricated by centrifugal casting. Nuclear Instruments & Methods in Physics Research B, 2003, 200, 295-302.	0.6	27
23	Evaluation of Al/SiC Wetting Characteristics in Functionally Graded Metal-Matrix Composites by Synchrotron Radiation Microtomography. Materials Science Forum, 2003, 423-425, 263-268.	0.3	8
24	Al/SiC _p Functionally Graded Metal-Matrix Composites Produced by Centrifugal Casting: Effect of Particle Grain Size on Reinforcement Distribution. Materials Science Forum, 2003, 423-425, 257-262.	0.3	26
25	Microstructural Study of Aluminium-Matrix Composites Reinforced with SiC. Key Engineering Materials, 2002, 230-232, 226-230.	0.4	3
26	Elastic Behaviour of Spherical Particles Reinforced Metal-Matrix Composites. Materials Science Forum, 0, 587-588, 202-206.	0.3	1
27	Microstructure Characterization of Aluminium Syntactic Functionally Graded Composites Containing Hollow Ceramic Microspheres Manufactured by Radial Centrifugal Casting. Materials Science Forum, 0, 587-588, 207-211.	0.3	4