

Juan Carlos del Real

List of Publications by Year in descending order

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39
papers

1,104
citations

411340

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445137

33
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docs citations

42
times ranked

1286
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced G-MPS-PMMA Bone Cements: Influence of Graphene Silanisation on Fatigue Performance, Thermal Properties and Biocompatibility. <i>Nanomaterials</i> , 2021, 11, 139.	1.9	4
2	Mechanical properties and fire-resistance of composites with marble particles. <i>Journal of Materials Research and Technology</i> , 2021, 12, 1403-1417.	2.6	15
3	3D Printing of a Graphene-Modified Photopolymer Using Stereolithography for Biomedical Applications: A Study of the Polymerization Reaction. <i>International Journal of Bioprinting</i> , 2021, 8, 503.	1.7	12
4	Advances in Biodegradable 3D Printed Scaffolds with Carbon-Based Nanomaterials for Bone Regeneration. <i>Materials</i> , 2020, 13, 5083.	1.3	18
5	Coating cork particles with iron oxide: effect on magnetic properties. <i>Wood Science and Technology</i> , 2020, 54, 869-889.	1.4	9
6	Graphene and graphene oxide functionalisation with silanes for advanced dispersion and reinforcement of PMMA-based bone cements. <i>Materials Science and Engineering C</i> , 2019, 104, 109946.	3.8	38
7	Graphene Oxide and Graphene Reinforced PMMA Bone Cements: Evaluation of Thermal Properties and Biocompatibility. <i>Materials</i> , 2019, 12, 3146.	1.3	30
8	Microencapsulation of rifampicin: A technique to preserve the mechanical properties of bone cement. <i>Journal of Orthopaedic Research</i> , 2018, 36, 459-466.	1.2	18
9	Nuevo método de liberación de antibióticos del cemento fosfo (polimetilmetacrilato): redefiniendo los límites. <i>Revista Española De Cirugía Ortopédica Y Traumatología</i> , 2018, 62, 86-92.	0.1	7
10	Kinetics of curing process in carbon/epoxy nano-composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 369, 012011.	0.3	7
11	Graphene oxide versus graphene for optimisation of PMMA bone cement for orthopaedic applications. <i>Materials Science and Engineering C</i> , 2017, 77, 1003-1011.	3.8	87
12	Erosion-wear, mechanical and thermal properties of silica filled epoxy nanocomposites. <i>Composites Part B: Engineering</i> , 2017, 120, 42-53.	5.9	88
13	Mechanical and thermal behaviour of an acrylic bone cement modified with a triblock copolymer. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 72.	1.7	5
14	Influence of Acrylic Adhesive Viscosity and Surface Roughness on the Properties of Adhesive Joint. <i>Journal of Adhesion</i> , 2016, 92, 877-891.	1.8	34
15	Evaluation of Elution and Mechanical Properties of High-Dose Antibiotic-Loaded Bone Cement: Comparative <i>in Vitro</i> Study of the Influence of Vancomycin and Cefazolin. <i>Journal of Arthroplasty</i> , 2015, 30, 1423-1429.	1.5	72
16	Kinetic analysis and characterization of an epoxy/cork adhesive. <i>Thermochimica Acta</i> , 2015, 604, 52-60.	1.2	31
17	Biomechanical analysis of acromioclavicular joint dislocation repair using coracoclavicular suspension devices in two different configurations. <i>Journal of Orthopaedics and Traumatology</i> , 2015, 16, 215-219.	1.0	22
18	Aging by moisture and/or temperature of epoxy/SiC composites: Thermal and mechanical properties. <i>Journal of Composite Materials</i> , 2015, 49, 2963-2975.	1.2	23

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19	Effects of Vancomycin, Cefazolin and Test Conditions on the Wear Behavior of Bone Cement. Journal of Arthroplasty, 2014, 29, 16-22.	1.5	15
20	Effect of surface treatments on natural cork: surface energy, adhesion, and acoustic insulation. Wood Science and Technology, 2014, 48, 207-224.	1.4	42
21	Polymerization kinetics of boron carbide/epoxy composites. Thermochemica Acta, 2014, 575, 144-150.	1.2	27
22	Influence of the physiological medium on the mechanical properties of bone cement: Can current studies be extrapolated?. Revista Española De Cirugía Ortopédica Y Traumatología, 2014, 58, 3-10.	0.1	7
23	Utilização de micro partículas de cortiça como material de reforço em adesivos estruturais frígidos. Ciência & Tecnologia Dos Materiais, 2013, 25, 42-49.	0.5	5
24	Influence of the Size and Amount of Cork Particles on the Impact Toughness of a Structural Adhesive. Journal of Adhesion, 2012, 88, 452-470.	1.8	46
25	Epoxy Composite Reinforced with Nano and Micro SiC Particles: Curing Kinetics and Mechanical Properties. Journal of Adhesion, 2012, 88, 418-434.	1.8	66
26	Influence of Surface Preparation on the Fracture Behavior of Acrylic Adhesive/CFRP Composite Joints. Journal of Adhesion, 2011, 87, 366-381.	1.8	32
27	Effect of Moisture and Temperature on the Mechanical Properties of an Epoxy Reinforced with Boron Carbide. Journal of Adhesion Science and Technology, 2011, 25, 2445-2460.	1.4	33
28	Global Fault Detection in Adhesively Bonded Joints Using Artificial Intelligence. Journal of Adhesion Science and Technology, 2011, 25, 2435-2443.	1.4	0
29	Influence of thread geometry on the performance of retaining anaerobic adhesives. International Journal of Adhesion and Adhesives, 2011, 31, 429-433.	1.4	3
30	The Influence of pH on the Hydrolysis Process of $\hat{1}^3$ -Methacryloxypropyltrimethoxysilane, Analyzed by FT-IR, and the Silanization of Electrogalvanized Steel. Journal of Adhesion Science and Technology, 2010, 24, 1131-1143.	1.4	34
31	Structural and Mechanical Characterization of $\hat{1}^3$ -Methacryloxypropyltrimethoxysilane (MPS) on Zn-Electrocoated Steel. Journal of Adhesion Science and Technology, 2010, 24, 1885-1901.	1.4	8
32	The Effect of Surface Treatment on the Behavior of Toughened Acrylic Adhesive/GRP(epoxy) Composite Joints. Journal of Adhesion Science and Technology, 2010, 24, 1903-1916.	1.4	31
33	Analysis of hydrolysis process of $\hat{1}^3$ -methacryloxypropyltrimethoxysilane and its influence on the formation of silane coatings on 6063 aluminum alloy. Applied Surface Science, 2009, 255, 6386-6390.	3.1	104
34	Effect of Silane Treatment on SiC Particles Used as Reinforcement in Epoxy Resins. Journal of Adhesion, 2009, 85, 287-301.	1.8	47
35	Optimization of the Design of a Double-Cup Specimen Using the Finite Element Method for Testing Adhesive Bonds Under Tensile Loads. Journal of Adhesion Science and Technology, 2009, 23, 1357-1368.	1.4	0
36	Analytical solution to calculate the stress distribution in pin-and-collar samples bonded with anaerobic adhesives (following ISO 10123 standard). International Journal of Adhesion and Adhesives, 2008, 28, 405-410.	1.4	8

#	ARTICLE	IF	CITATIONS
37	Influence of Silanisation Parameters With $\hat{1}^3$ -Methacryloxypropyltrimethoxysilane on Durability of Aluminium/Acrylic Adhesive Joints. <i>Journal of Adhesion Science and Technology</i> , 2008, 22, 1461-1475.	1.4	12
38	Adhesive bonding of aluminium with structural acrylic adhesives: durability in wet environments. <i>Journal of Adhesion Science and Technology</i> , 2006, 20, 1801-1818.	1.4	47
39	Case studies in adhesives selection. <i>Journal of Materials Processing Technology</i> , 2003, 143-144, 219-224.	3.1	14