

Oscar Fernando Olea-Mejía

List of Publications by Year in descending order

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33
papers

599
citations

687363

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h-index

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all docs

33
docs citations

33
times ranked

1005
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization and antibacterial activity of copper, nickel and bimetallic Cu-Ni nanoparticles for potential use in dental materials. <i>Progress in Natural Science: Materials International</i> , 2014, 24, 321-328.	4.4	141
2	Focused ion beam milling and scanning electron microscopy characterization of polymer+metal hybrids. <i>Materials Letters</i> , 2007, 61, 1333-1336.	2.6	59
3	SERS-active Ag, Au and Ag-Au alloy nanoparticles obtained by laser ablation in liquids for sensing methylene blue. <i>Applied Surface Science</i> , 2015, 348, 66-70.	6.1	54
4	Morphological and Structural Changes on Human Dental Enamel After Er:YAG Laser Irradiation: AFM, SEM, and EDS Evaluation. <i>Photomedicine and Laser Surgery</i> , 2011, 29, 493-500.	2.0	47
5	Synthesis of silver nanoparticles using aqueous extracts of <i>Heterotheca inuloides</i> as reducing agent and natural fibers as templates: <i>Agave lechuguilla</i> and silk. <i>Materials Science and Engineering C</i> , 2016, 69, 429-436.	7.3	40
6	Wear Resistance and Wear Mechanisms in Polymer + Metal Composites. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 8254-8259.	0.9	27
7	Scratch resistance of a polycarbonate + organoclay nanohybrid. <i>EXPRESS Polymer Letters</i> , 2009, 3, 621-629.	2.1	23
8	Microhybrids of metal powder incorporated in polymeric matrices: Friction, mechanical behavior, and microstructure. <i>Polymer Engineering and Science</i> , 2008, 48, 1977-1981.	3.1	21
9	Evaluation of Self-Etching Adhesive and Er:YAG Laser Conditioning on the Shear Bond Strength of Orthodontic Brackets. <i>Scientific World Journal</i> , The, 2013, 2013, 1-5.	2.1	15
10	Polyurethane-Keratin Membranes: Structural Changes by Isocyanate and pH, and the Repercussion on Cr(VI) Removal. <i>International Journal of Polymer Science</i> , 2013, 2013, 1-12.	2.7	15
11	Facile Solventless Synthesis of a Nylon-6,6/Silver Nanoparticles Composite and Its XPS Study. <i>International Journal of Polymer Science</i> , 2013, 2013, 1-8.	2.7	15
12	Morphological and Chemical Changes of Deciduous Enamel Produced by Er:YAG Laser, Fluoride, and Combined Treatment. <i>Photomedicine and Laser Surgery</i> , 2014, 32, 252-259.	2.0	15
13	An evaluation of the antibacterial properties and shear bond strength of copper nanoparticles as a nanofiller in orthodontic adhesive. <i>Australian Orthodontic Journal</i> , 2015, 31, 42-8.	0.3	15
14	Thermoluminescence response induced by UV radiation in Eu-doped zirconia nanopowders. <i>Radiation Physics and Chemistry</i> , 2014, 97, 118-125.	2.8	13
15	Co nanoparticle effects on the thermoluminescent signal induced by UV and gamma radiation in ZrO ₂ powders. <i>Optical Materials</i> , 2014, 36, 1219-1226.	3.6	13
16	Chemical Changes Associated with Increased Acid Resistance of Er:YAG Laser Irradiated Enamel. <i>Scientific World Journal</i> , The, 2014, 2014, 1-6.	2.1	12
17	Reinforcement of Polymeric Latexes by <i>In Situ</i> Polymerization. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6661-6667.	0.9	10
18	Strong thermoplastic elastomers created using nickel nanopowder. <i>Polymer Bulletin</i> , 2011, 67, 1671-1696.	3.3	9

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19	Chemical and morphological changes in human dentin after <sc>E</sc>r:<sc>YAG</sc> laser irradiation: <sc>EDS</sc> and <sc>SEM</sc> analysis. Microscopy Research and Technique, 2015, 78, 1019-1025.	2.2	8
20	Morphological changes produced by acid dissolution in Er:YAG laser irradiated dental enamel. Microscopy Research and Technique, 2014, 77, 410-414.	2.2	7
21	Tribological Properties of Polymer Nanohybrids Containing Gold Nanoparticles Obtained by Laser Ablation. Journal of Nanoscience and Nanotechnology, 2012, 12, 2750-2755.	0.9	6
22	Polypropylene + Polystyrene Blends with a Compatibilizer. Part 2. Tribological and Mechanical Properties. E-Polymers, 2008, 8, .	3.0	5
23	Bismuth and Gold Nanoparticles Prepared by Laser Ablation in Aqueous Solutions. Advanced Materials Research, 0, 976, 196-201.	0.3	5
24	Inexpensive laser-induced surface modification in bismuth thin films. Applied Surface Science, 2015, 336, 212-216.	6.1	5
25	Polypropylene + Polystyrene Blends with a Compatibilizer. Part I. Morphology and Thermophysical Properties. E-Polymers, 2008, 8, .	3.0	4
26	Silver Nanoparticles Obtained by Laser Ablation Using Different Stabilizers. Japanese Journal of Applied Physics, 2013, 52, 11Nj01.	1.5	4
27	Surface and electrical properties of high density polyethylene + carbon black composites near the percolation threshold. E-Polymers, 2010, 10, .	3.0	3
28	Synthesis and Characterization of Polyphosphazenes Modified with Hydroxyethyl Methacrylate and Lactic Acid. International Journal of Polymer Science, 2013, 2013, 1-7.	2.7	3
29	Effect of the Fe Nanoparticles Generated by Pulsed Plasma in Liquid in the Catalyzed Ozone Removal of Phenolphthalein. International Journal of Photoenergy, 2017, 2017, 1-6.	2.5	3
30	Thermoluminescent a-CN thin films properties as a function of plasma parameters. Applied Physics A: Materials Science and Processing, 2004, 79, 1133-1135.	2.3	2
31	Study of the Corrosion Rate of Three Contactors Materials Using the Electrochemical Technique of Tafel. Advanced Materials Research, 2011, 356-360, 1195-1201.	0.3	0
32	ZrO ₂ Doped with Cobalt Nanoparticles to Detect UV Radiation. Materials Research Society Symposia Proceedings, 2012, 1371, 105.	0.1	0
33	ZrO ₂ Nanopowders Doped with Eu: SEM, XRD and UV Spectroscopy Studies. Materials Research Society Symposia Proceedings, 2012, 1371, 39.	0.1	0