

# Jose Rogelio Rodriguez Talavera

## List of Publications by Citations

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116  
papers

1,820  
citations

23  
h-index

38  
g-index

119  
ext. papers

1,980  
ext. citations

3.4  
avg, IF

4.22  
L-index

| #   | Paper   | IF  | Citations |
|-----|---|-----|-----------|
| 116 | Synthesis of hydroxyapatite from eggshells. <i>Materials Letters</i> , <b>1999</b> , 41, 128-134  | 3.3 | 192       |
| 115 | Modification of the phase transition temperatures in titania doped with various cations. <i>Journal of Materials Research</i> , <b>1997</b> , 12, 439-443   | 2.5 | 101       |
| 114 | Malbrancheamide, a new calmodulin inhibitor from the fungus <i>Malbranchea aurantiaca</i> . <i>Tetrahedron</i> , <b>2006</b> , 62, 1817-1822  | 2.4 | 78        |
| 113 | New dye-sensitized solar cells obtained from extracted bracts of <i>Bougainvillea glabra</i> and <i>spectabilis</i> betalain pigments by different purification processes. <i>International Journal of Molecular Sciences</i> , <b>2011</b> , 12, 5565-76 | 6.3 | 75        |
| 112 | Effects of cationic dopants on the phase transition temperature of titania prepared by the sol-gel method. <i>Journal of Materials Research</i> , <b>1999</b> , 14, 3932-3937   | 2.5 | 71        |
| 111 | (Z)-3-butylideneephthalide from <i>Ligusticum porteri</i> , an $\alpha$ -glucosidase inhibitor. <i>Journal of Natural Products</i> , <b>2011</b> , 74, 314-20   | 4.9 | 67        |
| 110 | Photoluminescence of TiO <sub>2</sub> : Eu <sup>3+</sup> thin films obtained by sol-gel on Si and Corning glass substrates. <i>Thin Solid Films</i> , <b>2001</b> , 401, 118-123  | 2.2 | 58        |
| 109 | Silica nano-particles produced by worms through a bio-digestion process of rice husk. <i>Journal of Non-Crystalline Solids</i> , <b>2009</b> , 355, 844-850   | 3.9 | 54        |
| 108 | Cadmium ions adsorption in simulated wastewater using structured alumina-silica nanoparticles. <i>Journal of Non-Crystalline Solids</i> , <b>2006</b> , 352, 5475-5481  | 3.9 | 47        |
| 107 | High temperature thermoluminescence induced on UV-irradiated tetragonal ZrO <sub>2</sub> prepared by sol-gel. <i>Materials Letters</i> , <b>2000</b> , 45, 241-245  | 3.3 | 47        |
| 106 | Naturally produced carbon nanotubes. <i>Chemical Physics Letters</i> , <b>2003</b> , 373, 272-276   | 2.5 | 36        |
| 105 | Studies on the rubber phase stability in gamma irradiated polystyrene-SBR blends by using FT-IR and Raman spectroscopy. <i>Radiation Physics and Chemistry</i> , <b>2004</b> , 69, 155-162  | 2.5 | 33        |
| 104 | Refractive index measurement of pure and Er <sup>3+</sup> -doped ZrO <sub>2</sub> BiO <sub>2</sub> sol-gel film by using the Brewster angle technique. <i>Optical Materials</i> , <b>2002</b> , 19, 275-281   | 3.3 | 33        |
| 103 | Adsorption Properties of Metal Ions Using Alumina Nano-Particles in Aqueous and Alcoholic Solutions. <i>Journal of Sol-Gel Science and Technology</i> , <b>2001</b> , 20, 263-273   | 2.3 | 33        |
| 102 | Rheological properties of styrene-butadiene copolymer-reinforced asphalt. <i>Journal of Applied Polymer Science</i> , <b>1996</b> , 61, 1493-1501   | 2.9 | 31        |
| 101 | Stabilized Conversion Efficiency and Dye-Sensitized Solar Cells from <i>Beta vulgaris</i> Pigment. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 4081-93   | 6.3 | 30        |
| 100 | Synthesis, characterization and luminescence properties of Tb <sup>3+</sup> and Eu <sup>3+</sup> -doped poly(acrylic acid). <i>Materials Letters</i> , <b>2003</b> , 57, 2885-2893  | 3.3 | 30        |

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|----|---|-----|----|
| 99 | Hydroxyapatite spheres with controlled porosity for eye ball prosthesis: processing and characterization. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2001</b> , 12, 305-11 | 4.5 | 28 |
| 98 | Adsorption properties of silica sols modified with thiol groups. <i>Journal of Non-Crystalline Solids</i> , <b>1999</b> , 246, 209-215  | 3.9 | 28 |
| 97 | Synthesis and characterization of NH <sub>2</sub> -porphyrins covalently immobilized on modified-SBA-15. <i>Journal of Non-Crystalline Solids</i> , <b>2007</b> , 353, 2573-2581                | 3.9 | 27 |
| 96 | A DNA polymerase from maize axes: its purification and possible role. <i>Plant Molecular Biology</i> , <b>1992</b> , 20, 1159-68  | 4.6 | 26 |
| 95 | Reverse Micelle Systems Composed of Water, Triton X-100, and Phospholipids in Organic Solvents. <i>Journal of Colloid and Interface Science</i> , <b>1998</b> , 197, 21-8                       | 9.3 | 25 |
| 94 | Adsorption of lead ions in aqueous solution using silica/alumina nanoparticles. <i>Journal of Non-Crystalline Solids</i> , <b>2010</b> , 356, 383-387   | 3.9 | 24 |
| 93 | Hydroxyapatite crystals grown on a cellulose matrix using titanium alkoxide as a coupling agent. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 2948-2951                            |     | 23 |
| 92 | Oxidation of <i>Neurospora crassa</i> NADP-specific glutamate dehydrogenase by activated oxygen species. <i>Journal of Bacteriology</i> , <b>1989</b> , 171, 6243-50                            | 3.5 | 21 |
| 91 | Nanoparticle-enhanced thermoluminescence in silica gels. <i>Nanotechnology</i> , <b>2003</b> , 14, L19-22   | 3.4 | 20 |
| 90 | Synthesis and spectroscopic characterization of Eu <sup>3+</sup> -doped poly(acrylic acid). <i>Materials Letters</i> , <b>1999</b> , 39, 329-334  | 3.3 | 19 |
| 89 | Porous hydroxyapatite-based obturation materials for dentistry. <i>Journal of Materials Research</i> , <b>2008</b> , 23, 1587-1596  | 2.5 | 17 |
| 88 | Laser-induced crystallization of Co(II)-doped titania. <i>Materials Research Bulletin</i> , <b>1996</b> , 31, 329-334   | 5.1 | 17 |
| 87 | Dynamic light scattering studies of the stability and growth of silica particles. <i>Journal of Non-Crystalline Solids</i> , <b>1993</b> , 159, 73-79   | 3.9 | 17 |
| 86 | Biological activity of radiation-induced collagen-polyvinylpyrrolidone-PEG hydrogels. <i>Materials Letters</i> , <b>2018</b> , 214, 224-227   | 3.3 | 16 |
| 85 | Synthesis and characterization of HAp-based porous materials. <i>Materials Letters</i> , <b>2009</b> , 63, 1558-1561  | 3.3 | 16 |
| 84 | Morphology and tensile properties of styrene-butadiene copolymer reinforced asphalt. <i>Journal of Applied Polymer Science</i> , <b>1995</b> , 56, 57-64  | 2.9 | 16 |
| 83 | Use of Raman spectroscopy to determine the kinetics of chemical transformation in yogurt production. <i>Vibrational Spectroscopy</i> , <b>2013</b> , 68, 133-140                                | 2.1 | 15 |
| 82 | Effect of Cu additions over the lattice parameter and hardness of the NiAl intermetallic compound. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 489, 26-29                            | 5.7 | 15 |

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|----|---|-----|----|
| 81 | Growth of hydroxyapatite on silica gels in the presence of organic additives: kinetics and mechanism. <i>Materials Research Innovations</i> , <b>2001</b> , 4, 222-230  | 1.9 | 15 |
| 80 | Novel Poly(3-hydroxybutyrate-g-vinyl alcohol) Polyurethane Scaffold for Tissue Engineering. <i>Scientific Reports</i> , <b>2016</b> , 6, 31140  | 4.9 | 14 |
| 79 | Synthesis and characterization of a HAp-based biomarker with controlled drug release for breast cancer. <i>Materials Science and Engineering C</i> , <b>2016</b> , 61, 801-8  | 8.3 | 14 |
| 78 | Escherichia coli viability determination using dynamic light scattering: a comparison with standard methods. <i>Archives of Microbiology</i> , <b>2014</b> , 196, 557-63  | 3   | 14 |
| 77 | Master behaviour for gelation in fluoride-catalyzed gels. <i>Materials Letters</i> , <b>1992</b> , 15, 242-247  | 3.3 | 14 |
| 76 | Fourier transform infrared and Raman spectra. Semi empirical AM1 and PM3; MP2/DZV and DFT/B3LYP-6-31G(d) ab initio calculations for dimethylterephthalate (DMT). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2004</b> , 60, 2171-80 | 4.4 | 13 |
| 75 | Dynamic light scattering: A fast and reliable method to analyze bacterial growth during the lag phase. <i>Journal of Microbiological Methods</i> , <b>2017</b> , 137, 34-39   | 2.8 | 12 |
| 74 | Novel wear resistant and low toxicity dental obturation materials. <i>Materials Letters</i> , <b>2007</b> , 61, 3025-3029   | 3.3 | 12 |
| 73 | Synthesis, characterization and catalytic behavior of a zinc acetate complex immobilized on silica-gel. <i>Applied Catalysis A: General</i> , <b>2002</b> , 231, 131-149  | 5.1 | 12 |
| 72 | Piezoelectric properties of synthetic hydroxyapatite-based organic-inorganic hydrated materials. <i>Results in Physics</i> , <b>2016</b> , 6, 925-932   | 3.7 | 12 |
| 71 | A novel dual mechanism in dye-sensitized solar cells. <i>International Journal of Energy Research</i> , <b>2017</b> , 41, 1164-1170   | 4.5 | 11 |
| 70 | Effects of solvents on the radiation grafting reaction of vinyl compounds on poly (3-hydroxybutyrate). <i>Radiation Physics and Chemistry</i> , <b>2015</b> , 108, 87-94  | 2.5 | 11 |
| 69 | New polyurethane-anatase titania porous hybrid composite for the degradation of azo-compounds wastes. <i>Composites Part B: Engineering</i> , <b>2013</b> , 44, 686-691   | 10  | 10 |
| 68 | Characterization of microstructures obtained in wedge shaped Al <sub>2</sub> N <sub>3</sub> /Mg ingots. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 492, 373-377   | 5.7 | 10 |
| 67 | Scratch resistance of different silica filled resins for obturation materials. <i>Materials Research Innovations</i> , <b>2007</b> , 11, 181-184  | 1.9 | 10 |
| 66 | Raman studies on laser induced crystallization of Co(II) doped titania; effect of the dopant concentration. <i>Optical Materials</i> , <b>2002</b> , 20, 43-50  | 3.3 | 10 |
| 65 | Time dependence of particle size and particle number of silica sols under reflux conditions. <i>Journal of Non-Crystalline Solids</i> , <b>1992</b> , 151, 229-235  | 3.9 | 10 |
| 64 | Hydroxyapatite based hybrid dental materials with controlled porosity and improved tribological and mechanical properties. <i>Materials Research Innovations</i> , <b>2013</b> , 17, 154-160  | 1.9 | 9  |

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|----|---|-----|---|
| 63 | Homogeneous and heterogeneous catalytic behavior of Ni-porphyrines immobilized in SBA-15 for the esterification of DMT. <i>Applied Catalysis A: General</i> , <b>2011</b> , 401, 119-123  | 5.1 | 8 |
| 62 | Sol-gel synthesis and characterization of SBA-15 in presence of metalloporphyrins: m-5,10,15,20 TPP-Ni <sup>2+</sup> , Etio-III-Ni <sup>2+</sup> and Etio-III-VO <sub>2</sub> <sup>+</sup> . <i>Journal of Sol-Gel Science and Technology</i> , <b>2010</b> , 53, 239-245 | 2.3 | 8 |
| 61 | Growth of calcium phosphate onto coagulated silica prepared by using modified simulated body fluids. <i>Journal of Materials Chemistry</i> , <b>1998</b> , 8, 2807-2812   |     | 8 |
| 60 | Photo-quenched luminescence in Co(II)-doped sol-gel zirconia. <i>Journal of Sol-Gel Science and Technology</i> , <b>2007</b> , 44, 97-104   | 2.3 | 8 |
| 59 | Defect-induced luminescence in Co(II)-doped anatase TiO <sub>2</sub> prepared by the sol-gel method. <i>Journal of Non-Crystalline Solids</i> , <b>2005</b> , 351, 167-172  | 3.9 | 8 |
| 58 | Aggregation profiles of silica sols in a sol-gel process. <i>Materials Letters</i> , <b>1993</b> , 16, 89-95  | 3.3 | 8 |
| 57 | Optimized dye-sensitized solar cells: A comparative study with different dyes, mordants and construction parameters. <i>Results in Physics</i> , <b>2019</b> , 12, 2026-2037  | 3.7 | 7 |
| 56 | Mesogeneous Catalysts: A New Concept in Nanotechnology. <i>Macromolecular Rapid Communications</i> , <b>2004</b> , 25, 643-646  | 4.8 | 7 |
| 55 | Apatite growth on calcium adsorbed surface of wet flocculated silica particles immersed in a modified simulated body fluid. <i>Journal of Biomedical Materials Research Part B</i> , <b>2000</b> , 53, 44-50  |     | 7 |
| 54 | Surface modification of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by direct plasma-radiation-induced graft polymerization of N-hydroxyethyl-acrylamide. <i>Materials Letters</i> , <b>2016</b> , 175, 252-257  | 3.3 | 6 |
| 53 | Scratch and abrasion properties of polyurethane-based micro- and nano-hybrid obturation materials. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 4446-55   | 1.3 | 6 |
| 52 | Mechanical, chemical and acoustic properties of new hybrid ceramic-polymer varnishes for musical instruments. <i>Journal of Non-Crystalline Solids</i> , <b>2009</b> , 355, 132-140   | 3.9 | 6 |
| 51 | Fractal Characterization of Silica Sol Prepared by the Sol-Gel Method: From the Sol Formation to the Flocculation Process. <i>Journal of Sol-Gel Science and Technology</i> , <b>2002</b> , 23, 99-105  | 2.3 | 6 |
| 50 | Immobilized zinc acetate complex on the surface of silica-alumina gel modified by succinic acid: an efficient catalyst for the esterification of DMT. <i>Microporous and Mesoporous Materials</i> , <b>2005</b> , 78, 91-96   | 5.3 | 6 |
| 49 | Adsorption and Removal of Cadmium Ions from Simulated Wastewater Using Commercial Hydrophilic and Hydrophobic Silica Nanoparticles: a Comparison with Sol-gel Particles. <i>Water, Air, and Soil Pollution</i> , <b>2014</b> , 225, 1                                     | 2.6 | 5 |
| 48 | In vivo evaluation of implant-host tissue interaction using morphology-controlled hydroxyapatite-based biomaterials. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2011</b> , 22, 1799-810   | 3.5 | 5 |
| 47 | Smart polymeric membranes: pH-induced non-linear changes in pore size. <i>Applied Physics A: Materials Science and Processing</i> , <b>2010</b> , 99, 723-728   | 2.6 | 5 |
| 46 | Mechanical Properties of the Composite Asphalt-Styrene-Butadiene Copolymer at High Degree of Modification. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>1997</b> , 35, 129-144   | 3   | 5 |

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|----|--|-----|---|
| 45 | Reverse Micelle Systems Composed of Water, Triton X-100, and Phospholipids in Organic Solvents. <i>Journal of Colloid and Interface Science</i> , <b>1998</b> , 197, 29-35   | 9.3 | 5 |
| 44 | Drying kinetics and segregation in a two-component anti-adherent coating studied by photoluminescence and Raman spectroscopies. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 3623-3629                                      | 3.9 | 5 |
| 43 | Smart membranes: A physical model for a circadian behavior. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 144103  | 3.4 | 5 |
| 42 | Low-impedance and low-loss customized materials for air-coupled piezoelectric transducers  |     | 5 |
| 41 | Flocculation process of alumino-silicate particles using different metal ions in aqueous and alcoholic solutions. <i>Journal of Non-Crystalline Solids</i> , <b>2000</b> , 277, 30-38  | 3.9 | 5 |
| 40 | Morphological characterization of polybutadiene-cellulose diacetate composites. <i>Materials Letters</i> , <b>1994</b> , 18, 353-357   | 3.3 | 5 |
| 39 | Tribological and Mechanical Properties of Poly[(R)-3-hydroxybutyric acid] Grafted with Vinyl Compounds: Insight into Possible Application. <i>International Journal of Polymer Analysis and Characterization</i> , <b>2015</b> , 20, 469-479 | 1.7 | 4 |
| 38 | Structure, mechanism and application of vinyl alcohol oligomers grafted onto poly(3-hydroxybutyrate): a proposal. <i>E-Polymers</i> , <b>2014</b> , 14, 397-405  | 2.7 | 4 |
| 37 | Hybrid Porous Materials for Dental Applications. <i>Journal of Composite Materials</i> , <b>2010</b> , 44, 2667-2678   | 2.7 | 4 |
| 36 | Thermo-luminescence induced by gamma irradiation in sol-gel prepared zirconia-silica materials. <i>Materials Research Innovations</i> , <b>2000</b> , 4, 32-35   | 1.9 | 4 |
| 35 | Tribological improvement of aluminium infiltrated with zirconia nanoparticles. <i>Materials Research Innovations</i> , <b>2000</b> , 4, 42-44  | 1.9 | 4 |
| 34 | Use of ultrasonic degradation and nuclear magnetic resonance as tools for the elucidation of composition of rubber-reinforced plastics. <i>Materials Letters</i> , <b>1992</b> , 12, 448-452   | 3.3 | 4 |
| 33 | Evaluation of the polybutadiene content in some high-impact copolymers by transmission electron microscopy and digital image processing. <i>Materials Letters</i> , <b>1991</b> , 12, 199-202  | 3.3 | 4 |
| 32 | Membranes of chitosan grafted onto poly(3-hydroxybutyrate): new insights into their applicability as scaffolds. <i>Materials Research Innovations</i> , <b>2016</b> , 20, 37-43  | 1.9 | 4 |
| 31 | Dielectric determination of bio- and free-calcium in commercial alkaline-cooked ground corn. <i>International Journal of Food Science and Technology</i> , <b>2012</b> , 47, 1072-1078   | 3.8 | 3 |
| 30 | Photo-quenched of the luminescence signal in Co(II)-doped alumina prepared by the sol-gel method. <i>Journal of Non-Crystalline Solids</i> , <b>2011</b> , 357, 1383-1389  | 3.9 | 3 |
| 29 | A study of the kinetics of gelation of silica particles induced by lead ions in alcoholic solution. <i>Materials Letters</i> , <b>1997</b> , 30, 73-77   | 3.3 | 3 |
| 28 | Defect-induced luminescence in sol-gel silica samples doped with Co(II) at different concentrations. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2007</b> , 145, 97-102                   | 3.1 | 3 |

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|----|---|-----|---|
| 27 | Hap-based porous material with potential application as bio-packages for MEMS. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2008</b> , 19, 646-652  | 2.1 | 3 |
| 26 | Hydrophobic modification of an expansive soil using polymers and organic compounds: a comparative study with lime. <i>Geotechnique</i> , <b>2005</b> , 55, 613-616  | 3.4 | 3 |
| 25 | A Novel Approach for Coating Acrylic Surfaces with Zirconia at Low Temperature. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2002</b> , 51, 167-180  | 3   | 3 |
| 24 | Percolation Modeling of the Mechanical Behavior of the Composite Polybutadiene-Cellulose Diacetate. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>1996</b> , 32, 111-118                                | 3   | 3 |
| 23 | Determination of calcium mobility in alkaline-cooked grounded corn in presence of a magnetic field. <i>Journal of Food Science</i> , <b>2014</b> , 79, E1343-50   | 3.4 | 2 |
| 22 | Synthesis and characterization of porous hybrid biomaterials with improved mechanical properties. <i>Journal of Composite Materials</i> , <b>2012</b> , 46, 1831-1838   | 2.7 | 2 |
| 21 | PREPARATION AND BEHAVIOR OF A STAIN-PROTECTING HYBRID COATING FOR TEETH. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2004</b> , 53, 645-651   | 3   | 2 |
| 20 | Segregation effects in sol-gel zirconia-silica materials analyzed through their radial distribution functions. <i>Materials Research Innovations</i> , <b>2000</b> , 3, 205-211   | 1.9 | 2 |
| 19 | Master behavior for gelation in a sol-gel process under different temperature and pH conditions. <i>Journal of Non-Crystalline Solids</i> , <b>1993</b> , 163, 90-96  | 3.9 | 2 |
| 18 | Transformation Kinetics During Fermented Milk Production Using <i>Lactobacillus Johnsonii</i> (La1) and <i>Streptococcus Thermophilus</i> : A Comparison With Yogurt Inoculum. <i>Food Biophysics</i> , <b>2015</b> , 10, 375-384             | 3.2 | 1 |
| 17 | Adsorption of lead ions in contaminated water using commercial hydrophilic silica nanoparticles. <i>International Journal of Environment and Pollution</i> , <b>2015</b> , 58, 215  | 0.7 | 1 |
| 16 | Smart Polymeric Membranes: Self-Control of Pore Size Induced by Variations in pH. <i>Polymers and Polymer Composites</i> , <b>2008</b> , 16, 359-363  | 0.8 | 1 |
| 15 | Physicochemical modification of EDTA solutions to improve the smear layer removal in dental applications. <i>Materials Letters</i> , <b>2006</b> , 60, 1736-1739  | 3.3 | 1 |
| 14 | SYNTHESIS AND CHARACTERIZATION OF A WEAR-RESISTANT HYBRID POLYMER-CERAMIC COATING FOR DENTAL APPLICATIONS. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2004</b> , 53, 859-869                         | 3   | 1 |
| 13 | Piezoelectric response of hydrated HAp-based materials containing different calcium concentrations. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 240, 122244  | 4.4 | 0 |
| 12 | A new method to support the cross-reactivity in allergenic reactions of cypress and wheat using piezoelectric signals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2019</b> , 246, 104-111 | 3.1 |   |
| 11 | Colloidal aggregation induced by the reduction in pH and the synthesis of new molecular structures during the milk fermentation process. <i>International Journal of Dairy Technology</i> , <b>2018</b> , 71, 56-63                           | 3.7 |   |
| 10 | Determination of lead ion removal from a flowing electrolyte in the presence of a magnetic field using Raman spectroscopy. <i>Medical Physics</i> , <b>2015</b> , 42, 6182-9  | 4.4 |   |

- 9 Effect of thermal treatments and Co concentration on the structural and luminescent properties of sputtered TiO<sub>2</sub>:Co films. *Physica Status Solidi (A) Applications and Materials Science*, **2012**, 209, 2167-2172 1.6
- 8 Bio-packaged transponder MEMS implanted in rats. *Journal of Biomaterials Science, Polymer Edition*, **2013**, 24, 31-44 3.5
- 7 Nonlocal Effects in the Confocal Raman Characterization of Inhomogeneous Polymer Coatings. *Journal of Materials Engineering and Performance*, **2010**, 19, 1199-1204 1.6
- 6 RHEOLOGICAL PROPERTIES OF SBS-ASPHALT COMPOSITES AT HIGH DEGREE OF MODIFICATION. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2004**, 53, 671-684 3
- 5 Growth Of Hydroxyapatite Crystal On The Surface Of Pure Cotton Fabric Previously Modified Using Titanium Isopropoxide. *Materials Research Innovations*, **2005**, 9, 66-67 1.9
- 4 Magnetic Properties Of Poly[Acrylic Acid-(Cobalt Ferrite- Silica)] Composites. *Materials Research Innovations*, **2005**, 9, 109-109 1.9
- 3 Simple model for the instabilities in the aggregation of silica sols in a sol-gel process. *Journal of Sol-Gel Science and Technology*, **1994**, 3, 11-22 2.3
- 2 Characterization of linear copolymers by methods sensitive to the refractive index increment. *Polymer Engineering and Science*, **1988**, 28, 510-516 2.3
- 1 Critical flocculation concentration for polyvalent ions using silica nanoparticles; a new version of Schulze-Hardy rule. *Adsorption Science and Technology*, **2020**, 38, 435-449 3.6