

Ana P Ramos

List of Publications by Year in descending order

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84
papers

1,755
citations

279798

23
h-index

330143

37
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84
all docs

84
docs citations

84
times ranked

2633
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Biomedical applications of nanotechnology. <i>Biophysical Reviews</i> , 2017, 9, 79-89. | 3.2 | 280 |
| 2 | Green synthesis of colloidal silver nanoparticles using natural rubber latex extracted from <i>Hevea brasiliensis</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 82, 140-145. | 3.9 | 141 |
| 3 | Which plasticizer is suitable for films based on babassu starch isolated by different methods?. <i>Food Hydrocolloids</i> , 2019, 89, 143-152. | 10.7 | 59 |
| 4 | Encapsulation of quercetin in liposomes by ethanol injection and physicochemical characterization of dispersions and lyophilized vesicles. <i>Food Bioscience</i> , 2017, 19, 17-25. | 4.4 | 57 |
| 5 | Calcium carbonate hybrid coating promotes the formation of biomimetic hydroxyapatite on titanium surfaces. <i>Applied Surface Science</i> , 2016, 370, 459-468. | 6.1 | 49 |
| 6 | Silver nanoparticles delivery system based on natural rubber latex membranes. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1. | 1.9 | 43 |
| 7 | Role of zinc substitution in magnetic hyperthermia properties of magnetite nanoparticles: interplay between intrinsic properties and dipolar interactions. <i>Scientific Reports</i> , 2019, 9, 18048. | 3.3 | 42 |
| 8 | The role played by modified bioinspired surfaces in interfacial properties of biomaterials. <i>Biophysical Reviews</i> , 2017, 9, 683-698. | 3.2 | 38 |
| 9 | Synthesis and Characterization of Gold/Alanine Nanocomposites with Potential Properties for Medical Application as Radiation Sensors. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5844-5851. | 8.0 | 37 |
| 10 | Synthesis and characterization of silver/alanine nanocomposites for radiation detection in medical applications: the influence of particle size on the detection properties. <i>Nanoscale</i> , 2012, 4, 2884. | 5.6 | 36 |
| 11 | Dynamic supramolecular polymers built from cucurbit[<i>n</i>]urils and viologens. <i>Polymer International</i> , 2019, 68, 572-588. | 3.1 | 36 |
| 12 | Formation of stable strontium-rich amorphous calcium phosphate: Possible effects on bone mineral. <i>Acta Biomaterialia</i> , 2019, 92, 315-324. | 8.3 | 32 |
| 13 | Formation of carbonated hydroxyapatite films on metallic surfaces using dihexadecyl phosphate LB film as template. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 118, 31-40. | 5.0 | 31 |
| 14 | Biomimetic collagen/phospholipid coatings improve formation of hydroxyapatite nanoparticles on titanium. <i>Materials Science and Engineering C</i> , 2017, 77, 102-110. | 7.3 | 31 |
| 15 | Synthesis and characterization of zinc substituted magnetite nanoparticles and their application to magneto-motive ultrasound imaging. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 465, 33-43. | 2.3 | 31 |
| 16 | Surface modification of metals by calcium carbonate thin films on a layer-by-layer polyelectrolyte matrix. <i>Thin Solid Films</i> , 2008, 516, 3256-3262. | 1.8 | 28 |
| 17 | Strontium Calcium Phosphate Nanotubes as Bioinspired Building Blocks for Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43422-43434. | 8.0 | 28 |
| 18 | Silver nanoparticle films for metal enhanced luminescence: Toward development of plasmonic radiation detectors for medical applications. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 248-255. | 7.8 | 27 |

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|----|--|-----|-----------|
| 19 | Wettability and surface morphology of eroded dentin treated with chitosan. Archives of Oral Biology, 2017, 75, 68-73. | 1.8 | 27 |
| 20 | Synthesis of silver nanoparticles using dl-alanine for ESR dosimetry applications. Radiation Physics and Chemistry, 2012, 81, 301-307. | 2.8 | 26 |
| 21 | Effect of the presence of cholesterol in the interfacial microenvironment on the modulation of the alkaline phosphatase activity during in vitro mineralization. Colloids and Surfaces B: Biointerfaces, 2017, 155, 466-476. | 5.0 | 26 |
| 22 | Graphene oxide and titanium: synergistic effects on the biomineralization ability of osteoblast cultures. Journal of Materials Science: Materials in Medicine, 2016, 27, 71. | 3.6 | 25 |
| 23 | Dynamic Light Scattering Applied to Nanoparticle Characterization. , 2017, , 99-110. | | 25 |
| 24 | Estrogen and phenol red free medium for osteoblast culture: study of the mineralization ability. Cytotechnology, 2016, 68, 1623-1632. | 1.6 | 24 |
| 25 | Formation of carrageenan-CaCO ₃ bioactive membranes. Materials Science and Engineering C, 2016, 58, 1-6. | 7.3 | 22 |
| 26 | Matrix vesicle biomimetics harboring Annexin A5 and alkaline phosphatase bind to the native collagen matrix produced by mineralizing vascular smooth muscle cells. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129629. | 2.4 | 22 |
| 27 | Luminescent Langmuir-Blodgett film of a new amphiphilic Eu ³⁺ - β -diketonate. Journal of Luminescence, 2008, 128, 1339-1347. | 3.1 | 20 |
| 28 | Miltefosine and BODIPY-labeled alkylphosphocholine with leishmanicidal activity: Aggregation properties and interaction with model membranes. Biophysical Chemistry, 2015, 196, 92-99. | 2.8 | 20 |
| 29 | Phosphatidylserine controls calcium phosphate nucleation and growth on lipid monolayers: A physicochemical understanding of matrix vesicle-driven biomineralization. Journal of Structural Biology, 2020, 212, 107607. | 2.8 | 20 |
| 30 | Localization of Annexin A6 in Matrix Vesicles During Physiological Mineralization. International Journal of Molecular Sciences, 2020, 21, 1367. | 4.1 | 20 |
| 31 | Multi and single walled carbon nanotubes: effects on cell responses and biomineralization of osteoblasts cultures. Journal of Materials Science: Materials in Medicine, 2016, 27, 62. | 3.6 | 19 |
| 32 | Optically Stimulated Luminescence Under Plasmon Resonance Conditions Enhances X-Ray Detection. Plasmonics, 2014, 9, 1049-1056. | 3.4 | 18 |
| 33 | Quenching of acridine orange fluorescence by salts in aqueous solutions: Effects of aggregation and charge transfer. Journal of Luminescence, 2016, 178, 288-294. | 3.1 | 18 |
| 34 | Porphyrin-phospholipid interaction and ring metallation depending on the phospholipid polar head type. Journal of Colloid and Interface Science, 2010, 350, 148-154. | 9.4 | 17 |
| 35 | Lipid microenvironment affects the ability of proteoliposomes harboring TNAP to induce mineralization without nucleators. Journal of Bone and Mineral Metabolism, 2019, 37, 607-613. | 2.7 | 17 |
| 36 | Pendant-drop method coupled to ultraviolet-visible spectroscopy: A useful tool to investigate interfacial phenomena. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 504, 305-311. | 4.7 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Sr ²⁺ -Substituted CaCO ₃ Nanorods: Impact on the Structure and Bioactivity. <i>Crystal Growth and Design</i> , 2018, 18, 2932-2940. | 3.0 | 15 |
| 38 | Synthesis of Sr ²⁺ -morin complex and its <i>in vitro</i> response: decrease in osteoclast differentiation while sustaining osteoblast mineralization ability. <i>Journal of Materials Chemistry B</i> , 2019, 7, 823-829. | 5.8 | 15 |
| 39 | Lipid composition modulates ATP hydrolysis and calcium phosphate mineral propagation by TNAP-harboring proteoliposomes. <i>Archives of Biochemistry and Biophysics</i> , 2020, 691, 108482. | 3.0 | 15 |
| 40 | Langmuir Films of Petroleum at the Air/Water Interface. <i>Langmuir</i> , 2009, 25, 12585-12590. | 3.5 | 14 |
| 41 | Bioactive CaCO ₃ /poly(acrylic acid)/chitosan hybrid coatings deposited on titanium. <i>Surface and Coatings Technology</i> , 2016, 294, 145-152. | 4.8 | 14 |
| 42 | Interaction of Artepillin C with model membranes. <i>European Biophysics Journal</i> , 2017, 46, 383-393. | 2.2 | 14 |
| 43 | Photo/redox-responsive 2D-Supramolecular assembly involving Cucurbit[8]uril and a star-shaped porphyrin tecton. <i>Electrochimica Acta</i> , 2019, 316, 79-92. | 5.2 | 14 |
| 44 | Influence of the type of phospholipid head and of the conformation of the polyelectrolyte on the growth of calcium carbonate thin films on LB/LBL matrices. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 95, 178-185. | 5.0 | 13 |
| 45 | Bio-inspired synthesis of hybrid tube-like structures based on CaCO ₃ and type I-collagen. <i>RSC Advances</i> , 2016, 6, 90509-90515. | 3.6 | 13 |
| 46 | Organic-inorganic collagen/ι-carrageenan/hydroxyapatite hybrid membranes are bioactive materials for bone regeneration. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48004. | 2.6 | 13 |
| 47 | The Role of Langmuir Monolayers To Understand Biological Events. <i>ACS Symposium Series</i> , 2015, , 65-88. | 0.5 | 12 |
| 48 | Hydrocarbon oxidation by iron-porphyrin immobilized on SBA-15 as biomimetic catalyst: role of silica surface. <i>RSC Advances</i> , 2016, 6, 104886-104896. | 3.6 | 12 |
| 49 | Formation of thin luminescent Eu ³⁺ -LB films by in situ coordination with 2,3,5,6-tetra(2-pyridyl)pyrazine and 1-octadecanol in pure and mixed Langmuir monolayers. <i>Journal of Luminescence</i> , 2012, 132, 1116-1121. | 3.1 | 11 |
| 50 | Synthesis and spectroscopic properties of luminescent tantalum(v)- β -diketonate complexes and their use as optical sensors and the preparation of nanostructured Ta ₂ O ₅ . <i>Dalton Transactions</i> , 2015, 44, 3829-3836. | 3.3 | 11 |
| 51 | Cholesterol Regulates the Incorporation and Catalytic Activity of Tissue-Nonspecific Alkaline Phosphatase in DPPC Monolayers. <i>Langmuir</i> , 2019, 35, 15232-15241. | 3.5 | 11 |
| 52 | Calcium Carbonate Particle Growth Depending on Coupling among Adjacent Layers in Hybrid LB/LBL Films. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14648-14654. | 2.6 | 10 |
| 53 | Different compact hybrid Langmuir-Blodgett film coatings modify biomineralization and the ability of osteoblasts to grow. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 2524-2534. | 3.4 | 10 |
| 54 | Collagen-supported CaCO ₃ cylindrical particles enhance Ti bioactivity. <i>Surface and Coatings Technology</i> , 2019, 358, 858-864. | 4.8 | 10 |

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|----|--|-----|-----------|
| 55 | Lipid-mediated growth of SrCO ₃ /CaCO ₃ hybrid films as bioactive coatings for Ti surfaces. <i>Materials Science and Engineering C</i> , 2019, 99, 762-769. | 7.3 | 9 |
| 56 | Europium ion as a probe for binding sites to carrageenans. <i>Journal of Luminescence</i> , 2007, 127, 461-468. | 3.1 | 8 |
| 57 | Is alkaline phosphatase biomimetically immobilized on titanium able to propagate the biomineralization process?. <i>Archives of Biochemistry and Biophysics</i> , 2019, 663, 192-198. | 3.0 | 8 |
| 58 | Deposition of organic-inorganic hybrid coatings over 316L surgical stainless steel and evaluation on vascular cells. <i>Canadian Journal of Chemistry</i> , 2014, 92, 987-995. | 1.1 | 7 |
| 59 | Unconventional Increase in Non-Radiative Transitions in Plasmon-Enhanced Luminescence: A Distance-Dependent Coupling. <i>Scientific Reports</i> , 2016, 6, 36691. | 3.3 | 7 |
| 60 | Curcumin-loaded carrageenan nanoparticles: Fabrication, characterization, and assessment of the effects on osteoblasts mineralization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 217, 112622. | 5.0 | 7 |
| 61 | Enhancing and quenching luminescence with gold nanoparticle films: the influence of substrate on the luminescent properties. <i>Nanotechnology</i> , 2016, 27, 015503. | 2.6 | 6 |
| 62 | Physicochemical properties, cytotoxicity and penetration into dentinal tubules of sodium hypochlorite with and without surfactants. <i>Restorative Dentistry & Endodontics</i> , 2020, 45, e47. | 1.5 | 6 |
| 63 | Three-dimensional cell-laden collagen scaffolds: From biochemistry to bone bioengineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 967-983. | 3.4 | 6 |
| 64 | Ultrasensitive Diamond Microelectrode Application in the Detection of Ca ²⁺ Transport by AnnexinA5-Containing Nanostructured Liposomes. <i>Biosensors</i> , 2022, 12, 525. | 4.7 | 6 |
| 65 | Counterion-mediated Ca ²⁺ accumulation on cationic Langmuir-Blodgett films as template for CaCO ₃ growth. <i>Thin Solid Films</i> , 2017, 638, 433-440. | 1.8 | 5 |
| 66 | Interface-driven Sr-morin complexation at Langmuir monolayers for bioactive coating design. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 856-863. | 5.0 | 5 |
| 67 | Characterization of the in Vitro Osteogenic Response to Submicron TiO ₂ Particles of Varying Structure and Crystallinity. <i>ACS Omega</i> , 2020, 5, 16491-16501. | 3.5 | 5 |
| 68 | Fabrication and characterization of a bioactive poly(methylmethacrylate)-based porous cement loaded with strontium/calcium apatite nanoparticles. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 812-826. | 4.0 | 5 |
| 69 | The functional role of soluble proteins acquired by extracellular vesicles. , 2022, 1, . | | 5 |
| 70 | Synthesis of Antibacterial Hybrid Hydroxyapatite/Collagen/Polysaccharide Bioactive Membranes and Their Effect on Osteoblast Culture. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7277. | 4.1 | 5 |
| 71 | Quantum dot effects upon the interaction between porphyrins and phospholipids in cell membrane models. <i>European Biophysics Journal</i> , 2016, 45, 219-227. | 2.2 | 4 |
| 72 | Blood droplets on functionalized surfaces: Chemical, roughness and superhydrophobic effects. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 574, 188-196. | 4.7 | 3 |

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|----|--|-----|-----------|
| 73 | Stable and bioactive W/O/W emulsion loaded with "Pitanga"(Eugenia uniflora L.) leaf hydroethanolic extract. Journal of Dispersion Science and Technology, 2022, 43, 1890-1900. | 2.4 | 3 |
| 74 | Caries removal with Er:YAG laser followed by dentin biomodification with carbodiimide and chitosan: Wettability and surface morphology analysis. Microscopy Research and Technique, 2020, 83, 133-139. | 2.2 | 2 |
| 75 | Green synthesis of metal nanoparticles by plant extracts and biopolymers. , 2020, , 257-278. | | 2 |
| 76 | Fluorescence evidence of annexin A6 translocation across membrane in model matrix vesicles during apatite formation. , 2022, 1, . | | 2 |
| 77 | Thermal annealing of natural rubber films controls wettability and enhances cytocompatibility. Surfaces and Interfaces, 2022, 31, 102048. | 3.0 | 2 |
| 78 | Magneto-motive ultrasound imaging using superparamagnetic ferrite nanoparticle with enhanced saturation magnetization synthesized by a simple coprecipitation method. , 2017, , . | | 1 |
| 79 | Langmuir monolayers and proteoliposomes as models of matrix vesicles involved in biomineralization. Biophysical Reviews, 2021, 13, 893-895. | 3.2 | 1 |
| 80 | Physicochemical properties and penetration into dentinal tubules of calcium hypochlorite with surfactants. Brazilian Dental Journal, 2022, 33, 1-11. | 1.1 | 1 |
| 81 | Magneto-motive ultrasound imaging using superparamagnetic ferrite nanoparticles with enhanced saturation magnetization synthesized by a simple coprecipitation method. , 2017, , . | | 0 |
| 82 | ESPALHAMENTO DE LUZ DINÂMICO APLICADO À CARACTERIZAÇÃO DE NANOPARTÍCULAS. , 2015, , 113-127. | | 0 |
| 83 | Electron-Triggered Metamorphism in Porphyrin-Based Self-Assembled Supramolecular Polymers. ECS Meeting Abstracts, 2020, MA2020-01, 932-932. | 0.0 | 0 |
| 84 | Effect of phosphorylated chitosan and carbodiimide biomodification on the chemical composition of eroded dentin. American Journal of Dentistry, 2021, 34, 105-109. | 0.1 | 0 |