# Silvia Panzavolta

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3802121/publications.pdf

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|---|---|---|---|
| 44 papers | 1,895 citations | 257450 24 h-index | 254184 43 g-index |
| 44 all docs | 44 docs citations | 44 times ranked | 2879 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Synthesis Monitoring, Characterization and Cleanup of Ag-Polydopamine Nanoparticles Used as Antibacterial Agents with Field-Flow Fractionation. Antibiotics, 2022, 11, 358. | 3.7 | 11 |
| 2 | A Modular Composite Device of Poly(Ethylene Oxide)/Poly(Butylene Terephthalate) (PEOT/PBT) Nanofibers and Gelatin as a Dual Drug Delivery System for Local Therapy of Soft Tissue Tumors. International Journal of Molecular Sciences, 2022, 23, 3239. | 4.1 | 11 |
| 3 | Antiosteoporotic Nanohydroxyapatite Zoledronate Scaffold Seeded with Bone Marrow Mesenchymal Stromal Cells for Bone Regeneration: A 3D In Vitro Model. International Journal of Molecular Sciences, 2022, 23, 5988. | 4.1 | 1 |
| 4 | Self-assembling of fibers inside an injectable calcium phosphate bone cement: a feasibility study. Materials Today Chemistry, 2022, 24, 100991. | 3.5 | 6 |
| 5 | Cellulose derivatives-snail slime films: New disposable eco-friendly materials for food packaging. Food Hydrocolloids, 2021, 111, 106247. | 10.7 | 36 |
| 6 | Novel drug-loaded film forming patch based on gelatin and snail slime. International Journal of Pharmaceutics, 2021, 598, 120408. | 5.2 | 12 |
| 7 | A radiopaque calcium phosphate bone cement with long-lasting antibacterial effect: From paste to injectable formulation. Ceramics International, 2020, 46, 10048-10057. | 4.8 | 12 |
| 8 | Functional properties of chitosan films modified by snail mucus extract. International Journal of Biological Macromolecules, 2020, 143, 126-135. | 7.5 | 37 |
| 9 | Development and in vitro evaluation of mucoadhesive gelatin films for the vaginal delivery of econazole. International Journal of Pharmaceutics, 2020, 591, 119979. | 5.2 | 16 |
| 10 | Electrospinning of Fish Gelatin Solution Containing Citric Acid: An Environmentally Friendly Approach to Prepare Crosslinked Gelatin Fibers. Materials, 2019, 12, 2808. | 2.9 | 26 |
| 11 | Cylindrical Layered Bone Scaffolds with Anisotropic Mechanical Properties as Potential Drug Delivery Systems. Molecules, 2019, 24, 1931. | 3.8 | 3 |
| 12 | Modulation of Alendronate release from a calcium phosphate bone cement: An in vitro osteoblast-osteoclast co-culture study. International Journal of Pharmaceutics, 2019, 554, 245-255. | 5.2 | 28 |
| 13 | Non-equilibrium atmospheric pressure plasma as innovative method to crosslink and enhance mucoadhesion of econazole-loaded gelatin films for buccal drug delivery. Colloids and Surfaces B: Biointerfaces, 2018, 163, 73-82. | 5.0 | 31 |
| 14 | Spray-congealed solid lipid microparticles as a new tool for the controlled release of bisphosphonates from a calcium phosphate bone cement. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 122, 6-16. | 4.3 | 17 |
| 15 | Osteoinductivity of nanostructured hydroxyapatiteâ€functionalized gelatin modulated by human and endogenous mesenchymal stromal cells. Journal of Biomedical Materials Research - Part A, 2018, 106, 914-923. | 4.0 | 13 |
| 16 | Strontiumâ€Substituted Hydroxyapatiteâ€Gelatin Biomimetic Scaffolds Modulate Bone Cell Response. Macromolecular Bioscience, 2018, 18, e1800096. | 4.1 | 36 |
| 17 | Gelatin Porous Scaffolds as Delivery Systems of Calcium Alendronate. Macromolecular Bioscience, 2017, 17, 1600272. | 4.1 | 9 |
| 18 | Fast Coprecipitation of Calcium Phosphate Nanoparticles inside Gelatin Nanofibers by Tricoaxial Electrospinning. Journal of Nanomaterials, 2016, 2016, 1-7. | 2.7 | 7 |

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|---|---|---|---|
| 19 | Atmospheric Pressure Non-Equilibrium Plasma as a Green Tool to Crosslink Gelatin Nanofibers. Scientific Reports, 2016, 6, 38542. | 3.3 | 43 |
| 20 | An innovative co-axial system to electrospin in situ crosslinked gelatin nanofibers. Biomedical Materials (Bristol), 2016, 11, 025007. | 3.3 | 11 |
| 21 | Highly Porous Gelatin Reinforced 3D Scaffolds for Articular Cartilage Regeneration. Macromolecular Bioscience, 2015, 15, 941-952. | 4.1 | 28 |
| 22 | Multiâ€Layered Scaffolds for Osteochondral Tissue Engineering: In Vitro Response of Coâ€Cultured Human Mesenchymal Stem Cells. Macromolecular Bioscience, 2015, 15, 1535-1545. | 4.1 | 36 |
| 23 | Hollow-fiber flow field-flow fractionation and multi-angle light scattering investigation of the size, shape and metal-release of silver nanoparticles in aqueous medium for nano-risk assessment. Journal of Pharmaceutical and Biomedical Analysis, 2015, 106, 92-99. | 2.8 | 34 |
| 24 | Effect of sterilization and crosslinking on gelatin films. Journal of Materials Science: Materials in Medicine, 2015, 26, 69. | 3.6 | 51 |
| 25 | Co-electrospun gelatin-poly(l-lactic acid) scaffolds: Modulation of mechanical properties and chondrocyte response as a function of composition. Materials Science and Engineering C, 2014, 36, 130-138. | 7.3 | 71 |
| 26 | Montmorillonite reinforced type A gelatin nanocomposites. Journal of Applied Polymer Science, 2014, 131, . | 2.6 | 15 |
| 27 | Structural reinforcement and failure analysis in composite nanofibers of graphene oxide and gelatin. Carbon, 2014, 78, 566-577. | 10.3 | 81 |
| 28 | A new simplified calcifying solution to synthesize calcium phosphate coatings. Surface and Coatings Technology, 2013, 232, 13-21. | 4.8 | 12 |
| 29 | 3D interconnected porous biomimetic scaffolds: In vitro cell response. Journal of Biomedical Materials Research - Part A, 2013, 101, 3560-3570. | 4.0 | 44 |
| 30 | Role of pH on stability and mechanical properties of gelatin films. Journal of Bioactive and Compatible Polymers, 2012, 27, 67-77. | 2.1 | 54 |
| 31 | Fiber reinforcement of a biomimetic bone cement. Journal of Materials Science: Materials in Medicine, 2012, 23, 1363-1370. | 3.6 | 10 |
| 32 | Electrospun gelatin nanofibers: Optimization of genipin cross-linking to preserve fiber morphology after exposure to water. Acta Biomaterialia, 2011, 7, 1702-1709. | 8.3 | 217 |
| 33 | Optimization of a biomimetic bone cement: Role of DCPD. Journal of Inorganic Biochemistry, 2011, 105, 1060-1065. | 3.5 | 14 |
| 34 | Fast Deposition of Nanocrystalline Hydroxyapatite into Additive Manufactured Titanium Porous Structures. Key Engineering Materials, 2011, 493-494, 458-461. | 0.4 | 0 |
| 35 | In Vivo and In Vitro Response to a Gelatin/Î±-Tricalcium Phosphate Bone Cement. Key Engineering Materials, 2008, 361-363, 1001-1004. | 0.4 | 2 |
| 36 | Nanocrystalline hydroxyapatite coatings on titanium: a new fast biomimetic method. Biomaterials, 2005, 26, 4085-4089. | 11.4 | 192 |

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|---|---|---|---|
| 37 | Setting Mechanism of a Biomimetic Bone Cement. Chemistry of Materials, 2004, 16, 3740-3745. | 6.7 | 57 |
| 38 | Structural differences between â€œdarkâ€•and â€œbrightâ€•isolated human osteonic lamellae. Journal of Structural Biology, 2003, 141, 22-33. | 2.8 | 81 |
| 39 | Twisted Plywood Pattern of Collagen Fibrils in Teleost Scales: An X-ray Diffraction Investigation. Journal of Structural Biology, 2001, 136, 137-143. | 2.8 | 96 |
| 40 | Effect of sodium polyacrylate on the hydrolysis of octacalcium phosphate. Journal of Inorganic Biochemistry, 2000, 78, 227-233. | 3.5 | 34 |
| 41 | Biomimetic Growth of Hydroxyapatite on Gelatin Films Doped with Sodium Polyacrylate. Biomacromolecules, 2000, 1, 752-756. | 5.4 | 99 |
| 42 | Synthesis and hydrolysis of octacalcium phosphate: effect of sodium polyacrylate. Journal of Inorganic Biochemistry, 1999, 75, 145-151. | 3.5 | 48 |
| 43 | Hydroxyapatite/polyacrylic acid nanocrystals. Journal of Materials Chemistry, 1999, 9, 779-782. | 6.7 | 83 |
| 44 | Nanocrystals of magnesium and fluoride substituted hydroxyapatite. Journal of Inorganic Biochemistry, 1998, 72, 29-35. | 3.5 | 170 |