

# Virginia Saez-Martinez

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

633  
citations

759233

12  
h-index

580821

25  
g-index

35  
all docs

35  
docs citations

35  
times ranked

820  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Decellularization of bovine corneas for tissue engineering applications. <i>Acta Biomaterialia</i> , 2009, 5, 1839-1847.   | 8.3 | 117       |
| 2  | Injectable Hydrogels: From Laboratory to Industrialization. <i>Polymers</i> , 2021, 13, 650.   | 4.5 | 83        |
| 3  | Antibacterial Coatings for Improving the Performance of Biomaterials. <i>Coatings</i> , 2020, 10, 139.   | 2.6 | 71        |
| 4  | Hyaluronic Acid Hydrogels Crosslinked in Physiological Conditions: Synthesis and Biomedical Applications. <i>Biomedicines</i> , 2021, 9, 1113.   | 3.2 | 50        |
| 5  | Multifunctional bioactive glass scaffolds coated with layers of poly(d,l-lactide-co-glycolide) and poly(n-isopropylacrylamide-co-acrylic acid) microgels loaded with vancomycin. <i>Materials Science and Engineering C</i> , 2013, 33, 3760-3767. | 7.3 | 37        |
| 6  | Synthesis and Characterization of Covalently Crosslinked pH-Responsive Hyaluronic Acid Nanogels: Effect of Synthesis Parameters. <i>Polymers</i> , 2019, 11, 742.  | 4.5 | 29        |
| 7  | Wound healing and antibacterial chitosan-genipin hydrogels with controlled drug delivery for synergistic anti-inflammatory activity. <i>International Journal of Biological Macromolecules</i> , 2022, 203, 679-694.                               | 7.5 | 27        |
| 8  | pH-Sensitive microgels functionalized with folic acid. <i>European Polymer Journal</i> , 2008, 44, 1309-1322.  | 5.4 | 24        |
| 9  | Biocompatible hyaluronic acid-divinyl sulfone injectable hydrogels for sustained drug release with enhanced antibacterial properties against <i>Staphylococcus aureus</i> . <i>Materials Science and Engineering C</i> , 2021, 125, 112102.        | 7.3 | 21        |
| 10 | The potential influence of Schirmer strip variables on dry eye disease characterisation, and on tear collection and analysis. <i>Contact Lens and Anterior Eye</i> , 2018, 41, 47-53.  | 1.7 | 17        |
| 11 | Specific pH-Responsive Folate-Conjugate Microgels Designed for Antitumor Therapy. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 467-477.  | 2.2 | 16        |
| 12 | New hybrid system: Poly(ethylene glycol) hydrogel with covalently bonded pegylated nanotubes. <i>Journal of Applied Polymer Science</i> , 2011, 120, 124-132.  | 2.6 | 15        |
| 13 | Self-healing, antibacterial and anti-inflammatory chitosan-PEG hydrogels for ulcerated skin wound healing and drug delivery. , 2022, 139, 212992.  |     | 15        |
| 14 | Integrated 3D Hydrogel Waveguide Out-Coupler by Step-and-Repeat Thermal Nanoimprint Lithography: A Promising Sensor Device for Water and pH. <i>Sensors</i> , 2018, 18, 3240.  | 3.8 | 14        |
| 15 | Novel pH- and Temperature-Responsive Methacrylamide Microgels. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 1120-1126.   | 2.2 | 13        |
| 16 | Fabrication and Characterization of Macroporous Poly(Ethylene Glycol) Hydrogels Generated by Several Types of Porogens. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2013, 62, 502-508.                        | 3.4 | 12        |
| 17 | Synthesis and characterization of reactive copolymeric microgels. <i>Polymer International</i> , 2005, 54, 963-971.  | 3.1 | 11        |
| 18 | Synthesis and characterization of pH-sensitive microgels by derivatization of npa-based reactive copolymers. <i>Materials Chemistry and Physics</i> , 2008, 112, 516-524.  | 4.0 | 11        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Nanopatterned UV curable hydrogels for biomedical applications. <i>Microelectronic Engineering</i> , 2010, 87, 1057-1061.  | 2.4 | 10        |
| 20 | Novel Bioactive Scaffolds Incorporating Nanogels as Potential Drug Eluting Devices. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 2826-2832.  | 0.9 | 6         |
| 21 | Imprinted hydrogels for tunable hemispherical microlenses. <i>Microelectronic Engineering</i> , 2013, 111, 189-192.  | 2.4 | 6         |
| 22 | Polymer-lipid interactions: Biomimetic self-assembly behaviour and surface properties of poly(styrene-alt-maleic acid) with diacylphosphatidylcholines. <i>Reactive and Functional Polymers</i> , 2015, 94, 9-16.  | 4.1 | 6         |
| 23 | Investigating the permeation properties of contact lenses and its influence on tear electrolyte composition. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 1997-2005. | 3.4 | 5         |
| 24 | Comparative study of dexamethasone and vancomycin release behavior from stimuli-sensitive microgel aqueous dispersions. <i>Journal of Drug Delivery Science and Technology</i> , 2012, 22, 313-316.                | 3.0 | 4         |
| 25 | Degradable poly(ethylene glycol)-based hydrogels: Synthesis, physico-chemical properties and in vitro characterization. <i>Journal of Bioactive and Compatible Polymers</i> , 2014, 29, 270-283.                   | 2.1 | 4         |
| 26 | The influence of structure and morphology on ion permeation in commercial silicone hydrogel contact lenses. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 137-148.    | 3.4 | 4         |
| 27 | Evaluation of commercial Schirmer strips for tear analysis studies. <i>Contact Lens and Anterior Eye</i> , 2018, 41, S12.  | 1.7 | 2         |
| 28 | Nanometric Hydroxyapatite Particles as Active Ingredient for Bioinks: A Review. <i>Macromol</i> , 2022, 2, 20-29.  | 4.4 | 2         |
| 29 | The application of zeta potential measurements in contact lens research. <i>Contact Lens and Anterior Eye</i> , 2018, 41, S6.  | 1.7 | 1         |
| 30 | New strategy to overcome the intrinsic difficulty of phospholipids solubilisation and delivery to the eye. <i>Contact Lens and Anterior Eye</i> , 2015, 38, e32.   | 1.7 | 0         |
| 31 | Sodium, potassium and calcium permeation through contact lenses. <i>Contact Lens and Anterior Eye</i> , 2018, 41, S64.   | 1.7 | 0         |
| 32 | The influence of structure and morphology of commercial silicone hydrogel contact lenses on permeation. <i>Contact Lens and Anterior Eye</i> , 2018, 41, S66-S67.  | 1.7 | 0         |
| 33 | The effect of water structure on permeation in contact lenses. <i>Contact Lens and Anterior Eye</i> , 2018, 41, S65-S66.   | 1.7 | 0         |
| 34 | Nanocarrier-based contact lens coating for ocular delivery of phospholipids and hydrophobic drugs. <i>Contact Lens and Anterior Eye</i> , 2018, 41, S3.  | 1.7 | 0         |
| 35 | In Situ Mineralization by the Release of Calcium and Phosphate Ions from Nanogels. <i>Advanced Science Letters</i> , 2012, 16, 179-182.  | 0.2 | 0         |