

Valentina Onesto

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|-------------------|-----------------------|----------------|-----------------|
| 29 papers | 317 citations | 9 h-index | 16 g-index |
| 33 ext. papers | 542 ext. citations | 5.8 avg, IF | 3.79 L-index |

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 29 | The small world coefficient 4.8 ± 1 optimizes information processing in 2D neuronal networks.. <i>Npj Systems Biology and Applications</i> , 2022 , 8, 4 | 5 | 0 |
| 28 | Co-loading of doxorubicin and iron oxide nanocubes in polycaprolactone fibers for combining Magneto-Thermal and chemotherapeutic effects on cancer cells. <i>Journal of Colloid and Interface Science</i> , 2022 , 607, 34-44 | 9.3 | 3 |
| 27 | Self-Assembling Peptides: From Design to Biomedical Applications. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 8 |
| 26 | Recent advances in bioprinting technologies for engineering hepatic tissue. <i>Materials Science and Engineering C</i> , 2021 , 123, 112013 | 8.3 | 4 |
| 25 | Recent advances in bioprinting technologies for engineering cardiac tissue. <i>Materials Science and Engineering C</i> , 2021 , 124, 112057 | 8.3 | 14 |
| 24 | A theoretical and experimental study on l-tyrosine and citrate mediated sustainable production of near infrared absorbing twisted gold nanorods. <i>Materials Science and Engineering C</i> , 2021 , 118, 111515 | 8.3 | 6 |
| 23 | Experimental and Theoretical Studies on Sustainable Synthesis of Gold Sol Displaying Dichroic Effect. <i>Nanomaterials</i> , 2021 , 11, | 5.4 | 3 |
| 22 | Engineering biomimetic intestinal topological features in 3D tissue models: retrospects and prospects. <i>Bio-Design and Manufacturing</i> , 2021 , 4, 568-595 | 4.7 | 5 |
| 21 | Stimuli-responsive transdermal microneedle patches. <i>Materials Today</i> , 2021 , 47, 206-222 | 21.8 | 33 |
| 20 | Engineered herbal scaffolds for tissue repair and regeneration: Recent trends and technologies. <i>Biomedical Engineering Advances</i> , 2021 , 2, 100015 | | 5 |
| 19 | Progress in Microneedle-Mediated Protein Delivery. <i>Journal of Clinical Medicine</i> , 2020 , 9, | 5.1 | 52 |
| 18 | Cell Theranostics on Mesoporous Silicon Substrates. <i>Pharmaceutics</i> , 2020 , 12, | 6.4 | 3 |
| 17 | Tunable Release of Curcumin with an In Silico-Supported Approach from Mixtures of Highly Porous PLGA Microparticles. <i>Materials</i> , 2020 , 13, | 3.5 | 12 |
| 16 | Nanoscaffolds for neural regenerative medicine 2020 , 47-88 | | 0 |
| 15 | Small-world networks of neuroblastoma cells cultured in three-dimensional polymeric scaffolds featuring multi-scale roughness. <i>Neural Regeneration Research</i> , 2020 , 15, 759-768 | 4.5 | 4 |
| 14 | Recent advances in the formulation of PLGA microparticles for controlled drug delivery. <i>Progress in Biomaterials</i> , 2020 , 9, 153-174 | 4.4 | 34 |
| 13 | Engineered PLGA-PVP/VA based formulations to produce electro-drawn fast biodegradable microneedles for labile biomolecule delivery. <i>Progress in Biomaterials</i> , 2020 , 9, 203-217 | 4.4 | 12 |

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| 12 | Kinetic Rate Constants of Gold Nanoparticle Deposition on Silicon. <i>Langmuir</i> , 2019 , 35, 14258-14265 | 4 | 3 |
| 11 | Transforming diatomaceous earth into sensing devices by surface modification with gold nanoparticles. <i>Micro and Nano Engineering</i> , 2019 , 2, 29-34 | 3.4 | 4 |
| 10 | A quantitative approach for determining the role of geometrical constraints when shaping mesenchymal condensations. <i>Biomedical Microdevices</i> , 2019 , 21, 44 | 3.7 | 1 |
| 9 | Cortical-like mini-columns of neuronal cells on zinc oxide nanowire surfaces. <i>Scientific Reports</i> , 2019 , 9, 4021 | 4.9 | 9 |
| 8 | Relating the small world coefficient to the entropy of 2D networks and applications in neuromorphic engineering. <i>Journal of Physics Communications</i> , 2019 , 3, 095011 | 1.2 | 2 |
| 7 | Experimental and theoretical study of biodirected green synthesis of gold nanoflowers. <i>Materials Today Chemistry</i> , 2019 , 14, 100203 | 6.2 | 8 |
| 6 | Relating the rate of growth of metal nanoparticles to cluster size distribution in electroless deposition. <i>Nanoscale Advances</i> , 2019 , 1, 228-240 | 5.1 | 7 |
| 5 | The effect of connectivity on information in neural networks. <i>Integrative Biology (United Kingdom)</i> , 2018 , 10, 121-127 | 3.7 | 6 |
| 4 | Silica diatom shells tailored with Au nanoparticles enable sensitive analysis of molecules for biological, safety and environment applications. <i>Nanoscale Research Letters</i> , 2018 , 13, 94 | 5 | 15 |
| 3 | Superhydrophobic lab-on-chip measures secretome protonation state and provides a personalized risk assessment of sporadic tumour. <i>Npj Precision Oncology</i> , 2018 , 2, 26 | 9.8 | 16 |
| 2 | Nano-topography Enhances Communication in Neural Cells Networks. <i>Scientific Reports</i> , 2017 , 7, 9841 | 4.9 | 35 |
| 1 | Information in a Network of Neuronal Cells: Effect of Cell Density and Short-Term Depression. <i>BioMed Research International</i> , 2016 , 2016, 2769698 | 3 | 9 |