# Brigida Bochicchio

List of Publications by Year
in descending order



| 69 | 1,965 | 257450 24 | 254184 43 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 69 | 69 | 69 | 1767 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Domains 12 to 16 of tropoelastin promote cell attachment and spreading through interactions with glycosaminoglycan and integrins alphaV and alpha5beta1. FEBS Journal, 2021, 288, 4024-4038. | 4.7 | 10 |
| 2 | Thermal and dynamic mechanical behavior of poly(lactic acid) (PLA)â€based electrospun scaffolds for tissue engineering. Journal of Applied Polymer Science, 2021, 138, 51313. | 2.6 | 21 |
| 3 | Soft Hydrogel Inspired by Elastomeric Proteins. ACS Biomaterials Science and Engineering, 2021, 7, 5028-5038. | 5.2 | 5 |
| 4 | Hyaluronic Acid-Functionalized Hybrid Gelatinâ€“Poly-L-Lactide Scaffolds with Tunable Hydrophilicity. Tissue Engineering - Part C: Methods, 2021, 27, 589-604. | 2.1 | 2 |
| 5 | Nanocellulose and Elastin Act as Plasticizers of Electrospun Bioinspired Scaffolds. ACS Applied Polymer Materials, 2020, 2, 4836-4847. | 4.4 | 16 |
| 6 | Electrospun poly(<scp>d,l</scp>â€lactide)/gelatin/glassâ€ceramics tricomponent nanofibrous scaffold for bone tissue engineering. Journal of Biomedical Materials Research - Part A, 2020, 108, 1064-1076. | 4.0 | 24 |
| 7 | Fibrillar Self-Assembly of a Chimeric Elastin-Resilin Inspired Engineered Polypeptide. Nanomaterials, 2019, 9, 1613. | 4.1 | 6 |
| 8 | Tuning of hydrogel stiffness using a twoâ€component peptide system for mammalian cell culture. Journal of Biomedical Materials Research - Part A, 2019, 107, 535-544. | 4.0 | 32 |
| 9 | Labeling of Nanofiber-Forming Peptides by Site-Directed Bioconjugation: Effect of Spacer Length on Self-Assembly. Current Organic Synthesis, 2019, 16, 319-325. | 1.3 | 1 |
| 10 | Heparan sulfates facilitate harmless amyloidogenic fibril formation interacting with elastin-like peptides. Scientific Reports, 2018, 8, 3115. | 3.3 | 15 |
| 11 | Phase behavior and chain dynamics of elastin-like peptides versus amino acid sequences. Journal of Thermal Analysis and Calorimetry, 2018, 131, 1323-1332. | 3.6 | 4 |
| 12 | Non-invasive characterization of hybrid gelatin:poly-<scp>l</scp>-lactide electrospun scaffolds using second harmonic generation and multiphoton imaging. Journal of Materials Chemistry B, 2018, 6, 6399-6412. | 5.8 | 17 |
| 13 | Interactions between elastin-like peptides and an insulating poly(ortho-aminophenol) membrane investigated by AFM and XPS. Analytical and Bioanalytical Chemistry, 2018, 410, 4925-4941. | 3.7 | 5 |
| 14 | Nanofibers of Human Tropoelastin-inspired peptides: Structural characterization and biological properties. Materials Science and Engineering C, 2017, 77, 927-934. | 7.3 | 6 |
| 15 | Photoinduced Thiolâ€ene Chemistry Applied to the Synthesis of Selfâ€Assembling Elastinâ€Inspired Glycopeptides. Chemistry - A European Journal, 2017, 23, 2648-2659. | 3.3 | 11 |
| 16 | Electrospun poly-l-lactide scaffold for the controlled and targeted delivery of a synthetically obtained Diclofenac prodrug to treat actinic keratosis. Acta Biomaterialia, 2017, 52, 187-196. | 8.3 | 19 |
| 17 | Characterization of a Crosslinked Elastomericâ€Protein Inspired Polypeptide. Chirality, 2016, 28, 606-611. | 2.6 | 3 |
| 18 | Cover Image, Volume 28, Issue 8. Chirality, 2016, 28, i-i. | 2.6 | 0 |

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|---|---|---|---|
| 19 | Nanospheres from the self-assembly of an elastin-inspired triblock peptide. RSC Advances, 2015, 5, 95007-95013. | 3.6 | 6 |
| 20 | Water structure and elastin-like peptide aggregation. Journal of Thermal Analysis and Calorimetry, 2015, 120, 419-426. | 3.6 | 16 |
| 21 | Influence of the architecture on the molecular mobility of synthetic fragments inspired from human tropoelastin. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 1427-1433. | 2.9 | 4 |
| 22 | Tuning self-assembly in elastin-derived peptides. Soft Matter, 2015, 11, 3385-3395. | 2.7 | 19 |
| 23 | Molecular Determinants for the Self-Assembly of Elastin Peptides. Conference Papers in Science, 2014, 2014, 1-4. | 0.3 | 0 |
| 24 | The Inhibitory Effect of Resveratrol on Elastin Amyloidogenesis. Conference Papers in Science, 2014, 2014, 1-4. | 0.3 | 0 |
| 25 | The elastin puzzle: A molecular and supramolecular study. Biomedical Spectroscopy and Imaging, 2014, 3, 249-259. | 1.2 | 1 |
| 26 | Characterisation of helical structure in AFM micrographs of a trimer of the peptide sequence (ValGlyGlyValGly). Surface and Interface Analysis, 2014, 46, 679-682. | 1.8 | 2 |
| 27 | Conformational and thermal characterization of a synthetic peptidic fragment inspired from human tropoelastin: Signature of the amyloid fibers. Pathologie Et Biologie, 2014, 62, 100-107. | 2.2 | 49 |
| 28 | Structural characterization and biological properties of the amyloidogenic elastin-like peptide (VGGVG)3. Matrix Biology, 2014, 36, 15-27. | 3.6 | 29 |
| 29 | Investigating the Role of (2S,4R)-4-Hydroxyproline in Elastin Model Peptides. Biomacromolecules, 2013, 14, 4278-4288. | 5.4 | 22 |
| 30 | Effect of proline analogues on the conformation of elastin peptides. New Journal of Chemistry, 2013, 37, 1326. | 2.8 | 4 |
| 31 | Biological and Structural Characterization of a Naturally Inspired Material Engineered from Elastin as a Candidate for Tissue Engineering Applications. Langmuir, 2013, 29, 15898-15906. | 3.5 | 11 |
| 32 | Amyloidogenesis of proteolytic fragments of human elastin. RSC Advances, 2013, 3, 13273. | 3.6 | 14 |
| 33 | Elastin peptides in aging and pathological conditions. Biomolecular Concepts, 2013, 4, 65-76. | 2.2 | 27 |
| 34 | Combined effects of solvation and aggregation propensity on the final supramolecular structures adopted by hydrophobic, glycineâ€rich, elastinâ€like polypeptides. Biopolymers, 2013, 99, 292-313. | 2.4 | 16 |
| 35 | An Elastin-Derived Self-Assembling Polypeptide. Journal of Soft Matter, 2013, 2013, 1-7. | 1.7 | 7 |
| 36 | Multiscale characterization of a chimeric biomimetic polypeptide for stem cell culture. Bioinspiration and Biomimetics, 2012, 7, 046007. | 2.9 | 18 |

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|---|---|---|---|
| 37 | Molecular and supramolecular studies on polyglycine and poly-l-proline. Soft Matter, 2011, 7, 6327. | 2.7 | 14 |
| 38 | Design and Production of a Chimeric Resilin-, Elastin-, and Collagen-Like Engineered Polypeptide. Biomacromolecules, 2011, 12, 2957-2965. | 5.4 | 90 |
| 39 | Influence of amino acid specificities on the molecular and supramolecular organization of glycineâ€rich elastinâ€like polypeptides in water. Biopolymers, 2011, 95, 702-721. | 2.4 | 20 |
| 40 | Role of polyproline II conformation in human tropoelastin structure. Chirality, 2011, 23, 694-702. | 2.6 | 35 |
| 41 | Effect of chemical cross-linking on the mechanical properties of elastomeric peptides studied by single molecule force spectroscopy. Journal of Biomechanics, 2011, 44, 2118-2122. | 2.1 | 13 |
| 42 | Molecular and Supramolecular Structural Studies on Significant Repetitive Sequences of Resilin. ChemBioChem, 2010, 11, 83-93. | 2.6 | 56 |
| 43 | Investigating by circular dichroism some amyloidogenic elastinâ€derived polypeptides. Chirality, 2010, 22, E56-66. | 2.6 | 17 |
| 44 | On enhancers and inhibitors of elastin-derived amyloidogenesis. Nanomedicine, 2009, 4, 31-46. | 3.3 | 11 |
| 45 | Structural and biological properties of Cucumber mosaic virus particles carrying hepatitis C virus-derived epitopes. Journal of Virological Methods, 2009, 155, 118-121. | 2.1 | 18 |
| 46 | Human tropoelastin sequence: Dynamics of polypeptide coded by exon 6 in solution. Biopolymers, 2009, 91, 943-952. | 2.4 | 8 |
| 47 | Formation of nanostructures by self-assembly of an elastin peptide. Soft Matter, 2009, 5, 104-113. | 2.7 | 19 |
| 48 | Investigating by CD the molecular mechanism of elasticity of elastomeric proteins. Chirality, 2008, 20, 985-994. | 2.6 | 75 |
| 49 | Exon 26-coded polypeptide: An isolated hydrophobic domain of human tropoelastin able to self-assemble in vitro. Matrix Biology, 2008, 27, 441-450. | 3.6 | 16 |
| 50 | Amyloid-like Fibrils in Elastin-Related Polypeptides: Structural Characterization and Elastic Properties. Biomacromolecules, 2008, 9, 796-803. | 5.4 | 68 |
| 51 | Elastic fibers and amyloid deposition in vascular tissue. Future Neurology, 2007, 2, 523-536. | 0.5 | 8 |
| 52 | Supramolecular organization of elastin and elastin-related nanostructured biopolymers. Nanomedicine, 2007, 2, 203-218. | 3.3 | 31 |
| 53 | Investigating the Amyloidogenic Nanostructured Sequences of Elastin:Â Sequence Encoded by Exon 28 of Human Tropoelastin Gene. Biomacromolecules, 2007, 8, 3478-3486. | 5.4 | 35 |
| 54 | Molecular and Supramolecular Structural Studies on Human Tropoelastin Sequences. Biophysical Journal, 2007, 93, 3640-3651. | 0.5 | 35 |

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|---|---|---|---|
| 55 | Kinetics and Thermodynamics of Type VIII Î²-Turn Formation: A CD, NMR, and Microsecond Explicit Molecular Dynamics Study of the GDNP Tetrapeptide. Biophysical Journal, 2006, 90, 2745-2759. | 0.5 | 44 |
| 56 | Localizing Î±-Helices in Human Tropoelastin:Â Assembly of the Elastin â€œPuzzleâ€â€. Biochemistry, 2006, 45, 9518-9530. | 2.5 | 70 |
| 57 | Synthesis, Solution Structure and Biological Activity of Val-Val-Pro-Gln,a Bioactive Elastin Peptide. European Journal of Organic Chemistry, 2005, 2005, 1644-1651. | 2.4 | 10 |
| 58 | Synthesis of and Structural Studies on Repeating Sequences of Abductin. Macromolecular Bioscience, 2005, 5, 502-511. | 4.1 | 26 |
| 59 | Circular dichroism studies on repeating polypeptide sequences of abductin. Chirality, 2005, 17, 364-372. | 2.6 | 16 |
| 60 | Supramolecular Amyloid-like Assembly of the Polypeptide Sequence Coded by Exon 30 of Human Tropoelastin. Journal of Biological Chemistry, 2005, 280, 2682-2690. | 3.4 | 93 |
| 61 | Heparan sulphate interacts with tropoelastin, with some tropoelastin peptides and is present in human dermis elastic fibers. Matrix Biology, 2005, 24, 15-25. | 3.6 | 53 |
| 62 | Dissection of human tropoelastin: Supramolecular organization of polypeptide sequences coded by particular exons. Matrix Biology, 2005, 24, 96-109. | 3.6 | 64 |
| 63 | Structure and modeling studies of the carboxy-terminus region of human tropoelastin. Matrix Biology, 2005, 24, 271-282. | 3.6 | 13 |
| 64 | The dissection of human tropoelastin: from the molecular structure to the self-assembly to the elasticity mechanism. Pathologie Et Biologie, 2005, 53, 383-389. | 2.2 | 54 |
| 65 | Spectroscopic evidence revealing polyproline II structure in hydrophobic, putatively elastomeric sequences encoded by specific exons of human tropoelastin. Biopolymers, 2004, 73, 484-493. | 2.4 | 39 |
| 66 | Dissection of Human Tropoelastin: Solution Structure, Dynamics and Self-Assembly of the Exon 5 Peptide. Chemistry - A European Journal, 2004, 10, 3166-3176. | 3.3 | 41 |
| 67 | Dissection of Human Tropoelastin:Â Exon-By-Exon Chemical Synthesis and Related Conformational Studiesâ€. Biochemistry, 2003, 42, 13347-13362. | 2.5 | 158 |
| 68 | Polyproline II structure in proteins: Identification by chiroptical spectroscopies, stability, and functions. Chirality, 2002, 14, 782-792. | 2.6 | 237 |
| 69 | On (GGLGY) synthetic repeating sequences of lamprin and analogous sequences. Matrix Biology, 2001, 20, 243-250. | 3.6 | 36 |