# Sara Pellegrino

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 88 papers | 1,417 citations | 331538 21 h-index | 477173 29 g-index |
| 101 all docs | 101 docs citations | 101 times ranked | 1671 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | <scp>l</scp>- to <scp>d</scp>-Amino Acid Substitution in the Immunodominant LCMV-Derived Epitope gp33 Highlights the Sensitivity of the TCR Recognition Mechanism for the MHC/Peptide Structure and Dynamics. ACS Omega, 2022, 7, 9622-9635. | 1.6 | 1 |
| 2 | Multi- e GO: An in silico lens to look into protein aggregation kinetics at atomic resolution. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 3.3 | 7 |
| 3 | Exploring the copper binding ability of Mets7 hCtrâ€1 protein domain and His7 derivative: An insight in Michael addition catalysis. Journal of Peptide Science, 2021, 27, e3289. | 0.8 | 9 |
| 4 | Alternative Strategy to Obtain Artificial Imine Reductase by Exploiting Vancomycin/D-Ala-D-Ala Interactions with an Iridium Metal Complex. Inorganic Chemistry, 2021, 60, 2976-2982. | 1.9 | 5 |
| 5 | Fishing in the Toolbox of Cyclic Turn Mimics: a Literature Overview of the Last Decade. European Journal of Organic Chemistry, 2021, 2021, 2887-2900. | 1.2 | 11 |
| 6 | Î±-Synuclein: An All-Inclusive Trip Around its Structure, Influencing Factors and Applied Techniques. Frontiers in Chemistry, 2021, 9, 666585. | 1.8 | 30 |
| 7 | Stimulus-responsive liposomes for biomedical applications. Drug Discovery Today, 2021, 26, 1794-1824. | 3.2 | 53 |
| 8 | Exploiting Ultrashort Î±,Î²-Peptides in the Colloidal Stabilization of Gold Nanoparticles. Langmuir, 2021, 37, 11365-11373. | 1.6 | 3 |
| 9 | Î²-Hairpin Peptide Mimics Decrease Human Islet Amyloid Polypeptide (hIAPP) Aggregation. Frontiers in Cell and Developmental Biology, 2021, 9, 729001. | 1.8 | 6 |
| 10 | Ultrashort Peptides and Gold Nanoparticles: Influence of Constrained Amino Acids on Colloidal Stability. Frontiers in Chemistry, 2021, 9, 736519. | 1.8 | 9 |
| 11 | On-resin multicomponent 1,3-dipolar cycloaddition of cyclopentanoneâ€“proline enamines and sulfonylazides as an efficient tool for the synthesis of amidino depsipeptide mimics. Amino Acids, 2020, 52, 15-24. | 1.2 | 8 |
| 12 | NoPv1: a synthetic antimicrobial peptide aptamer targeting the causal agents of grapevine downy mildew and potato late blight. Scientific Reports, 2020, 10, 17574. | 1.6 | 23 |
| 13 | Nucleobase morpholino Î² amino acids as molecular chimeras for the preparation of photoluminescent materials from ribonucleosides. Scientific Reports, 2020, 10, 19331. | 1.6 | 15 |
| 14 | Rational Design of a User-Friendly Aptamer/Peptide-Based Device for the Detection of Staphylococcus aureus. Sensors, 2020, 20, 4977. | 2.1 | 7 |
| 15 | Tuning antiviral CD8 T-cell response via proline-altered peptide ligand vaccination. PLoS Pathogens, 2020, 16, e1008244. | 2.1 | 9 |
| 16 | Nonabsorbable Iron(III) binding polymers: Synthesis and evaluation of the chelating properties. Polymer Testing, 2020, 90, 106693. | 2.3 | 3 |
| 17 | Diastereoselective Synthesis of Pyrazolines by Metal-Free Rearrangement of Bicyclic Triazolines. Synthesis, 2020, 52, 2892-2898. | 1.2 | 2 |
| 18 | Vancomycin-Iridium (III) Interaction: An Unexplored Route for Enantioselective Imine Reduction. Molecules, 2019, 24, 2771. | 1.7 | 6 |

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|---|---|---|---|
| 19 | Identification of the first enantiopure Rac1â€“Tiam1 proteinâ€“protein interaction inhibitor and its optimized synthesis via phosphine free remote group directed hydroarylation. MedChemComm, 2019, 10, 310-314. | 3.5 | 4 |
| 20 | The selective disruption of presynaptic JNK2/STX1a interaction reduces NMDA receptor-dependent glutamate release. Scientific Reports, 2019, 9, 7146. | 1.6 | 10 |
| 21 | Bicyclic Pyrrolidine-Isoxazoline Î³ Amino Acid: A Constrained Scaffold for Stabilizing Î±-Turn Conformation in Isolated Peptides. Frontiers in Chemistry, 2019, 7, 133. | 1.8 | 14 |
| 22 | Fluoro-Aryl Substituted Î±,Î²2,3-Peptides in the Development of Foldameric Antiparallel Î²-Sheets: A Conformational Study. Frontiers in Chemistry, 2019, 7, 192. | 1.8 | 16 |
| 23 | From glucose to enantiopure morpholino Î²-amino acid: a new tool for stabilizing Î³-turns in peptides. Organic Chemistry Frontiers, 2019, 6, 972-982. | 2.3 | 26 |
| 24 | Successive crystal structure snapshots suggest the basis for MHC class I peptide loading and editing by tapasin. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5055-5060. | 3.3 | 39 |
| 25 | Tuning PFKFB3 Bisphosphatase Activity Through Allosteric Interference. Scientific Reports, 2019, 9, 20333. | 1.6 | 17 |
| 26 | The Immunogenicity of a Proline-Substituted Altered Peptide Ligand toward the Cancer-Associated TEIPP Neoepitope Trh4 Is Unrelated to Complex Stability. Journal of Immunology, 2018, 200, 2860-2868. | 0.4 | 8 |
| 27 | Peptide modulators of Rac1/Tiam1 proteinâ€protein interaction: An alternative approach for cardiovascular diseases. Peptide Science, 2018, 110, e23089. | 1.0 | 21 |
| 28 | Ruthenium(II) complexes bearing (NNN) ligand: catalytic evaluation of different solvent-mediated coordination modes. Canadian Journal of Chemistry, 2018, 96, 40-43. | 0.6 | 6 |
| 29 | Tetrahydro-4H-(pyrrolo[3,4-d]isoxazol-3-yl)methanamine: A Bicyclic Diamino Scaffold Stabilizing Parallel Turn Conformations. Journal of Organic Chemistry, 2018, 83, 11493-11501. | 1.7 | 17 |
| 30 | Memory T cells specific to citrullinated Î±-enolase are enriched in the rheumatic joint. Journal of Autoimmunity, 2018, 92, 47-56. | 3.0 | 43 |
| 31 | Computer aided design and NMR characterization of an oligopeptide targeting the Ebola virus VP24 protein. New Journal of Chemistry, 2017, 41, 4308-4315. | 1.4 | 10 |
| 32 | Tandem Tetrahydroisoquinolineâ€4â€carboxylic Acid/Î²â€Alanine as a New Construct Able To Induce a Flexible Turn. Chemistry - A European Journal, 2017, 23, 10822-10831. | 1.7 | 18 |
| 33 | Novel MMP-inhibiting peptides for stabilizing atherosclerotic plaques. Atherosclerosis, 2017, 263, e47-e48. | 0.4 | 0 |
| 34 | Self-assembly of an amphipathic Î±Î±Î²-tripeptide into cationic spherical particles for intracellular delivery. Organic and Biomolecular Chemistry, 2017, 15, 6773-6779. | 1.5 | 34 |
| 35 | Î²-Hairpin mimics containing a piperidineâ€“pyrrolidine scaffold modulate the Î²-amyloid aggregation process preserving the monomer species. Chemical Science, 2017, 8, 1295-1302. | 3.7 | 39 |
| 36 | Crystal structures of H-2Db in complex with the LCMV-derived peptides GP92 and GP392 explain pleiotropic effects of glycosylation on antigen presentation and immunogenicity. PLoS ONE, 2017, 12, e0189584. | 1.1 | 7 |

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| 37 | Development of poly(lactideâ€coâ€glycolide) nanoparticles functionalized with a mitochondria penetrating peptide. Journal of Peptide Science, 2017, 23, 182-188. | 0.8 | 9 |
| 38 | Structural insight into the interaction of Oâ€acetylserine sulfhydrylase with competitive, peptidic inhibitors by saturation transfer differenceâ€<scp>NMR</scp>. FEBS Letters, 2016, 590, 943-953. | 1.3 | 10 |
| 39 | Aqueous self-assembly of short hydrophobic peptides containing norbornene amino acid into supramolecular structures with spherical shape. RSC Advances, 2016, 6, 90754-90759. | 1.7 | 16 |
| 40 | Ctr-1 Mets7 motif inspiring new peptide ligands for Cu(<scp>i</scp>)-catalyzed asymmetric Henry reactions under green conditions. RSC Advances, 2016, 6, 71529-71533. | 1.7 | 21 |
| 41 | Non-standard amino acids and peptides: From self-assembly to nanomaterials. Tetrahedron Letters, 2016, 57, 5540-5550. | 0.7 | 42 |
| 42 | Skin Penetrating Peptide as a Tool to Enhance the Permeation of Heparin through Human Epidermis. Biomacromolecules, 2016, 17, 46-55. | 2.6 | 29 |
| 43 | Model peptides containing the 3-sulfanyl-norbornene amino acid, a conformationally constrained cysteine analogue effective inducer of 3<sub>10</sub>-helix secondary structures. RSC Advances, 2015, 5, 32643-32656. | 1.7 | 20 |
| 44 | Unusual Chemoselective Rh<sup>II</sup>â€Catalysed Transformations of Î±â€Diazocarbonyl Piperidine Cores. Chemistry - A European Journal, 2015, 21, 1692-1703. | 1.7 | 10 |
| 45 | Promising antiproliferative platinum(II) complexes based on imidazole moiety: synthesis, evaluation in HCT-116 cancer cell line and interaction with Ctr-1 Met-rich domain. Bioorganic and Medicinal Chemistry, 2015, 23, 2538-2547. | 1.4 | 21 |
| 46 | 1H-Azepine-2-oxo-5-amino-5-carboxylic Acid: A 3<sub>10</sub> Helix Inducer and an Effective Tool for Functionalized Gold Nanoparticles. Journal of Organic Chemistry, 2015, 80, 5507-5516. | 1.7 | 24 |
| 47 | MediaChrom: Discovering a Class of Pyrimidoindolone-Based Polarity-Sensitive Dyes. Journal of Organic Chemistry, 2015, 80, 10939-10954. | 1.7 | 24 |
| 48 | Dipeptide Nanotubes Containing Unnatural Fluorine-Substituted Î²<sup>2,3</sup>-Diarylamino Acid and <scp>l</scp>-Alanine as Candidates for Biomedical Applications. Organic Letters, 2015, 17, 4468-4471. | 2.4 | 50 |
| 49 | Mechanism of Stabilization of Helix Secondary Structure by Constrained CÎ±-Tetrasubstituted Î±-Amino Acids. Journal of Physical Chemistry B, 2015, 119, 1350-1361. | 1.2 | 25 |
| 50 | Class I Major Histocompatibility Complex, the Trojan Horse for Secretion of Amyloidogenic Î²2-Microglobulin. Journal of Biological Chemistry, 2014, 289, 3318-3327. | 1.6 | 22 |
| 51 | syn/anti Switching by Specific Heteroatomâ€“Titanium Coordination in the Mannichâ€Like Synthesis of 2,3â€Diarylâ€Î²â€amino Acid Derivatives. European Journal of Organic Chemistry, 2014, 2014, 3203-3209. | 1.2 | 16 |
| 52 | Molecular insights into dimerization inhibition of c-Maf transcription factor. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 2108-2115. | 1.1 | 13 |
| 53 | Asymmetric Modular Synthesis of a Semirigid Dipeptide Mimetic by Cascade Cycloaddition/Ring Rearrangement and Borohydride Reduction. Journal of Organic Chemistry, 2014, 79, 3094-3102. | 1.7 | 26 |
| 54 | Edge strand engineering prevents nativeâ€like aggregation in <scp>S</scp>ulfolobusÂsolfataricus acylphosphatase. FEBS Journal, 2014, 281, 4072-4084. | 2.2 | 13 |

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| 55 | Antiproliferative activity on human prostate carcinoma cell lines of new peptidomimetics containing the spiroazepinoindolinone scaffold. Bioorganic and Medicinal Chemistry, 2013, 21, 5470-5479. | 1.4 | 15 |
| 56 | Multicomponent Synthesis of Pentyl-Sulfonyl Amidines via Diazoalkane. Synlett, 2012, 23, 1523-1525. | 1.0 | 8 |
| 57 | Hydroarylation of Substituted Norbornene Amino Acids: Studies on Long-Range Stereo-Electronic Effects on the Regioselectivity of the Addition. Current Organic Chemistry, 2012, 16, 2724-2738. | 0.9 | 3 |
| 58 | Diastereoselective Protocols for the Synthesis of 2,3-trans- and 2,3-cis-6-Methoxy-morpholine-2-carboxylic Acid Derivatives. Journal of Organic Chemistry, 2012, 77, 3454-3461. | 1.7 | 24 |
| 59 | Chemotactic effect of prorenin on human aortic smooth muscle cells: a novel function of the (pro)renin receptor. Cardiovascular Research, 2012, 95, 366-374. | 1.8 | 27 |
| 60 | Expedient chemical synthesis of 75mer DNA binding domain of MafA: an insight on its binding to insulin enhancer. Amino Acids, 2012, 43, 1995-2003. | 1.2 | 27 |
| 61 | 1Hâ€Azepineâ€4â€aminoâ€4â€carboxylic Acid: A New Î±,Î±â€Disubstituted Ornithine Analogue Capable of Inducing Helix Conformations in Short Alaâ€Aib Pentapeptides. Chemistry - A European Journal, 2012, 18, 8705-8715. | 1.7 | 30 |
| 62 | Sulfanyl-methylene-5(4H)-oxazolones and Î²-sulfanyl-Î±-nitroacrylates as appealing dienophiles for the synthesis of conformationally constrained cysteine analogues. Tetrahedron, 2012, 68, 1951-1962. | 1.0 | 22 |
| 63 | A New Series of Organocatalysts for Diels-Alder Cycloaddition Reactions and Theoretical Analysis. Current Organic Chemistry, 2011, 15, 3514-3522. | 0.9 | 3 |
| 64 | On the Stability of Polyalanine Secondary Structures: The Role of the Polyproline II Helix. ChemPhysChem, 2011, 12, 2724-2727. | 1.0 | 6 |
| 65 | A Highly Diastereoselective Synthesis of Î±-Hydroxy-Î²-amino Acid Derivatives via a Lewis Acid Catalyzed Three-Component Condensation Reaction. Journal of Organic Chemistry, 2010, 75, 7099-7106. | 1.7 | 25 |
| 66 | Fused Isothiazole Sâ€Oxide Systems from Cycloaddition Reactions of Nâ€Benzylisothiazolâ€3â€amine 1â€Oxide. Helvetica Chimica Acta, 2009, 92, 779-789. | 1.0 | 5 |
| 67 | Chemoselective asymmetric synthesis of C-3a-(3-hydroxypropyl)tetrahydropyrrolo[2,3-b]indole and C-4a-(2-aminoethyl)-tetrahydropyrano[2,3-b]indole derivatives. Tetrahedron, 2009, 65, 1995-2004. | 1.0 | 13 |
| 68 | Enantioselective synthesis, chiroptical properties and absolute configuration of 3-aminosubstituted isothiazole S-oxides. Tetrahedron: Asymmetry, 2009, 20, 2247-2256. | 1.8 | 9 |
| 69 | Synthetic peptides containing a conserved sequence motif of the Id protein family modulate vascular smooth muscle cell phenotype. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 6298-6302. | 1.0 | 20 |
| 70 | Î²-Hydroxynorbornane amino acid derivatives: valuable synthons for the diastereoselective preparation of substituted cyclopentylglycine derivatives. Tetrahedron, 2008, 64, 5657-5665. | 1.0 | 18 |
| 71 | N,N-Disubstituted propargylamines as tools in the sequential 1,3-dipolar cycloaddition/arylation processes to the formation of polyheterocyclic systems. Tetrahedron, 2008, 64, 8182-8187. | 1.0 | 31 |
| 72 | A new efficient synthesis of enantiopure diastereomeric 3â€²-aminocyclopentylglycines. Tetrahedron: Asymmetry, 2008, 19, 584-592. | 1.8 | 5 |

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|---|---|---|---|
| 73 | Isothiazoles. , 2008, , 545-633. | | 4 |
| 74 | Semisynthesis of New D-seco-C-nor-Taxane Derivatives Containing a Polyfunctionalized Furanosyl or Cyclopentenyl or Cyclopentyl C-Ring. Journal of Organic Chemistry, 2008, 73, 8893-8900. | 1.7 | 5 |
| 75 | A Mild and Efficient Synthesis of 3-Aminosubstituted Isothiazole S-Oxides and their 5-Sulfanylsubstituted Derivatives. Letters in Organic Chemistry, 2008, 5, 623-627. | 0.2 | 4 |
| 76 | An Efficient Route to All Stereoisomeric Enantiopure 6-Amino-3-alkyl-3-azabicyclo[3.2.1]octane-6-carboxylic Acids. Journal of Organic Chemistry, 2007, 72, 9811-9814. | 1.7 | 14 |
| 77 | Chemistry of Biologically Active Isothiazoles. , 2007, , 179-264. | | 34 |
| 78 | Novel 3-O-Glycosyl-3-demethylthiocolchicines as Ligands for Glycine and Î³-Aminobutyric Acid Receptors. Journal of Medicinal Chemistry, 2007, 50, 2245-2248. | 2.9 | 6 |
| 79 | 1-Aminocyclopentane-1,2,4-tricarboxylic acids screening on glutamatergic and serotonergic systems. Bioorganic and Medicinal Chemistry, 2007, 15, 7581-7589. | 1.4 | 4 |
| 80 | 3-Demethoxy-3-glycosylaminothiocolchicines:Â Synthesis of a New Class of Putative Muscle Relaxant Compounds. Journal of Medicinal Chemistry, 2006, 49, 5571-5577. | 2.9 | 10 |
| 81 | Î±,Î³-Diamino Acids:Â Asymmetric Synthesis of New Constrained 6-Amino-3-azabicyclo[3.2.1]octane-6-carboxylic Acids. Journal of Organic Chemistry, 2006, 71, 8467-8472. | 1.7 | 20 |
| 82 | Isothiazoles. Part XV. A mild andÂefficient synthesis ofÂnew antiproliferative 5-sulfanylsubstituted 3-alkylaminoisothiazole 1,1-dioxides. European Journal of Medicinal Chemistry, 2006, 41, 675-682. | 2.6 | 13 |
| 83 | Uncatalyzed solventless Dielsâ€“Alder reaction of 2-amino-3-nitroacrylate: synthesis of new epimeric 2-amino-3-nitro-norbornene- and norbornane-2-carboxylic acids. Tetrahedron, 2006, 62, 1288-1294. | 1.0 | 20 |
| 84 | Chemoenzymatic resolution of epimeric cis 3-carboxycyclopentylglycine derivatives. Tetrahedron, 2006, 62, 3502-3508. | 1.0 | 12 |
| 85 | Enantioselective synthesis of epimeric cis-3-carboxycyclopentylglycines. Tetrahedron: Asymmetry, 2006, 17, 61-67. | 1.8 | 12 |
| 86 | An efficient synthesis of new diastereomeric enantiopure 1-aminocyclopentane-1,2,4-tricarboxylic acids. Tetrahedron: Asymmetry, 2006, 17, 1430-1436. | 1.8 | 16 |
| 87 | 3-Amino-Substituted IsothiazoleS,S-Dioxides as Dienophiles in Dielsâ€“Alder Cycloaddition Reactions with Cyclic, Acyclic and Heterocyclic Dienes. European Journal of Organic Chemistry, 2006, 2006, 4285-4290. | 1.2 | 4 |
| 88 | 3-Formylcyclopent-3-enyl- and 3-Carboxycyclopentylglycine Derivatives:Â A New Stereocontrolled Approach via Retro-aldol or Retro-Claisen Reactions. Journal of Organic Chemistry, 2003, 68, 5286-5291. | 1.7 | 17 |