

Sara Pellegrino

List of Publications by Year in descending order

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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	Stimulus-responsive liposomes for biomedical applications. Drug Discovery Today, 2021, 26, 1794-1824.	3.2	53
2	Dipeptide Nanotubes Containing Unnatural Fluorine-Substituted β -Diarylamino Acid and α -Alanine as Candidates for Biomedical Applications. Organic Letters, 2015, 17, 4468-4471.	2.4	50
3	Memory T cells specific to citrullinated β -enolase are enriched in the rheumatic joint. Journal of Autoimmunity, 2018, 92, 47-56.	3.0	43
4	Non-standard amino acids and peptides: From self-assembly to nanomaterials. Tetrahedron Letters, 2016, 57, 5540-5550.	0.7	42
5	β -Hairpin mimics containing a piperidine-pyrrolidine scaffold modulate the β -amyloid aggregation process preserving the monomer species. Chemical Science, 2017, 8, 1295-1302.	3.7	39
6	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
7	Chemistry of Biologically Active Isothiazoles. , 2007, , 179-264.		34
8	Self-assembly of an amphipathic β -tripeptide into cationic spherical particles for intracellular delivery. Organic and Biomolecular Chemistry, 2017, 15, 6773-6779.	1.5	34
9	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
10	1-Hydroxy-4-azepine-4-amino-4-carboxylic Acid: A New β -Disubstituted Ornithine Analogue Capable of Inducing Helix Conformations in Short Ala ⁴ -Aib Pentapeptides. Chemistry - A European Journal, 2012, 18, 8705-8715.	1.7	30
11	β -Synuclein: An All-Inclusive Trip Around its Structure, Influencing Factors and Applied Techniques. Frontiers in Chemistry, 2021, 9, 666585.	1.8	30
12	Skin Penetrating Peptide as a Tool to Enhance the Permeation of Heparin through Human Epidermis. Biomacromolecules, 2016, 17, 46-55.	2.6	29
13	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
14	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
15	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
16	From glucose to enantiopure morpholino β -amino acid: a new tool for stabilizing β -turns in peptides. Organic Chemistry Frontiers, 2019, 6, 972-982.	2.3	26
17	A Highly Diastereoselective Synthesis of β -Hydroxy- β -amino Acid Derivatives via a Lewis Acid Catalyzed Three-Component Condensation Reaction. Journal of Organic Chemistry, 2010, 75, 7099-7106.	1.7	25
18	Mechanism of Stabilization of Helix Secondary Structure by Constrained β -Tetrasubstituted β -Amino Acids. Journal of Physical Chemistry B, 2015, 119, 1350-1361.	1.2	25

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19	Diastereoselective Protocols for the Synthesis of 2,3- <i>trans</i> - and 2,3- <i>cis</i> -6-Methoxy-morpholine-2-carboxylic Acid Derivatives. <i>Journal of Organic Chemistry</i> , 2012, 77, 3454-3461.	1.7	24
20	1- <i>H</i> -Azepine-2-oxo-5-amino-5-carboxylic Acid: A 3×10^3 Helix Inducer and an Effective Tool for Functionalized Gold Nanoparticles. <i>Journal of Organic Chemistry</i> , 2015, 80, 5507-5516.	1.7	24
21	MediaChrom: Discovering a Class of Pyrimidoindolone-Based Polarity-Sensitive Dyes. <i>Journal of Organic Chemistry</i> , 2015, 80, 10939-10954.	1.7	24
22	NoPv1: a synthetic antimicrobial peptide aptamer targeting the causal agents of grapevine downy mildew and potato late blight. <i>Scientific Reports</i> , 2020, 10, 17574.	1.6	23
23	Sulfanyl-methylene-5(4H)-oxazolones and β -sulfanyl- α -nitroacrylates as appealing dienophiles for the synthesis of conformationally constrained cysteine analogues. <i>Tetrahedron</i> , 2012, 68, 1951-1962.	1.0	22
24	Class I Major Histocompatibility Complex, the Trojan Horse for Secretion of Amyloidogenic β 2-Microglobulin. <i>Journal of Biological Chemistry</i> , 2014, 289, 3318-3327.	1.6	22
25	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. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2538-2547.	1.4	21
26	Ctr-1 Mets7 motif inspiring new peptide ligands for Cu(<i>scp</i>)-catalyzed asymmetric Henry reactions under green conditions. <i>RSC Advances</i> , 2016, 6, 71529-71533.	1.7	21
27	Peptide modulators of Rac1/Tiam1 protein-protein interaction: An alternative approach for cardiovascular diseases. <i>Peptide Science</i> , 2018, 110, e23089.	1.0	21
28	β , γ -Diamino Acids: Asymmetric Synthesis of New Constrained 6-Amino-3-azabicyclo[3.2.1]octane-6-carboxylic Acids. <i>Journal of Organic Chemistry</i> , 2006, 71, 8467-8472.	1.7	20
29	Uncatalyzed solventless Diels-Alder reaction of 2-amino-3-nitroacrylate: synthesis of new epimeric 2-amino-3-nitro-norbornene- and norbornane-2-carboxylic acids. <i>Tetrahedron</i> , 2006, 62, 1288-1294.	1.0	20
30	Synthetic peptides containing a conserved sequence motif of the Id protein family modulate vascular smooth muscle cell phenotype. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 6298-6302.	1.0	20
31	Model peptides containing the 3-sulfanyl-norbornene amino acid, a conformationally constrained cysteine analogue effective inducer of 3×10^3 -helix secondary structures. <i>RSC Advances</i> , 2015, 5, 32643-32656.	1.7	20
32	β -Hydroxynorbornane amino acid derivatives: valuable synthons for the diastereoselective preparation of substituted cyclopentylglycine derivatives. <i>Tetrahedron</i> , 2008, 64, 5657-5665.	1.0	18
33	Tandem Tetrahydroisoquinoline-4-carboxylic Acid/ β -Alanine as a New Construct Able To Induce a Flexible Turn. <i>Chemistry - A European Journal</i> , 2017, 23, 10822-10831.	1.7	18
34	3-Formylcyclopent-3-enyl- and 3-Carboxycyclopentylglycine Derivatives: A New Stereocontrolled Approach via Retro-aldol or Retro-Claisen Reactions. <i>Journal of Organic Chemistry</i> , 2003, 68, 5286-5291.	1.7	17
35	Tetrahydro-4- <i>H</i> -(pyrrolo[3,4- <i>d</i>]isoxazol-3-yl)methanamine: A Bicyclic Diamino Scaffold Stabilizing Parallel Turn Conformations. <i>Journal of Organic Chemistry</i> , 2018, 83, 11493-11501.	1.7	17
36	Tuning PFKFB3 Bisphosphatase Activity Through Allosteric Interference. <i>Scientific Reports</i> , 2019, 9, 20333.	1.6	17

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37	An efficient synthesis of new diastereomeric enantiopure 1-aminocyclopentane-1,2,4-tricarboxylic acids. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 1430-1436.	1.8	16
38	Switching by Specific Heteroatom-Titanium Coordination in the Mannich-Like Synthesis of 2,3-Diaryl- β -Amino Acid Derivatives. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 3203-3209.	1.2	16
39	Aqueous self-assembly of short hydrophobic peptides containing norbornene amino acid into supramolecular structures with spherical shape. <i>RSC Advances</i> , 2016, 6, 90754-90759.	1.7	16
40	Fluoro-Aryl Substituted β , γ -Peptides in the Development of Foldameric Antiparallel β -Sheets: A Conformational Study. <i>Frontiers in Chemistry</i> , 2019, 7, 192.	1.8	16
41	Antiproliferative activity on human prostate carcinoma cell lines of new peptidomimetics containing the spiroazepinoindolinone scaffold. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 5470-5479.	1.4	15
42	Nucleobase morpholino β amino acids as molecular chimeras for the preparation of photoluminescent materials from ribonucleosides. <i>Scientific Reports</i> , 2020, 10, 19331.	1.6	15
43	An Efficient Route to All Stereoisomeric Enantiopure 6-Amino-3-alkyl-3-azabicyclo[3.2.1]octane-6-carboxylic Acids. <i>Journal of Organic Chemistry</i> , 2007, 72, 9811-9814.	1.7	14
44	Bicyclic Pyrrolidine-Isoxazoline β Amino Acid: A Constrained Scaffold for Stabilizing β -Turn Conformation in Isolated Peptides. <i>Frontiers in Chemistry</i> , 2019, 7, 133.	1.8	14
45	Isothiazoles. Part XV. A mild and efficient synthesis of a new antiproliferative 5-sulfanylsubstituted 3-alkylaminoisothiazole 1,1-dioxides. <i>European Journal of Medicinal Chemistry</i> , 2006, 41, 675-682.	2.6	13
46	Chemoselective asymmetric synthesis of C-3a-(3-hydroxypropyl)tetrahydropyrrolo[2,3-b]indole and C-4a-(2-aminoethyl)-tetrahydropyrano[2,3-b]indole derivatives. <i>Tetrahedron</i> , 2009, 65, 1995-2004.	1.0	13
47	Molecular insights into dimerization inhibition of c-Maf transcription factor. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 2108-2115.	1.1	13
48	Edge strand engineering prevents native-like aggregation in <i>Sulfolobus solfataricus</i> acylphosphatase. <i>FEBS Journal</i> , 2014, 281, 4072-4084.	2.2	13
49	Chemoenzymatic resolution of epimeric cis-3-carboxycyclopentylglycine derivatives. <i>Tetrahedron</i> , 2006, 62, 3502-3508.	1.0	12
50	Enantioselective synthesis of epimeric cis-3-carboxycyclopentylglycines. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 61-67.	1.8	12
51	Fishing in the Toolbox of Cyclic Turn Mimics: a Literature Overview of the Last Decade. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 2887-2900.	1.2	11
52	3-Demethoxy-3-glycosylaminothiocolchicines: Synthesis of a New Class of Putative Muscle Relaxant Compounds. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 5571-5577.	2.9	10
53	Unusual Chemoselective Rh ^{II} -Catalysed Transformations of β -Diazocarbonyl Piperidine Cores. <i>Chemistry - A European Journal</i> , 2015, 21, 1692-1703.	1.7	10
54	Structural insight into the interaction of acetylserine sulphydrylase with competitive, peptidic inhibitors by saturation transfer difference-NMR. <i>FEBS Letters</i> , 2016, 590, 943-953.	1.3	10

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55	Computer aided design and NMR characterization of an oligopeptide targeting the Ebola virus VP24 protein. <i>New Journal of Chemistry</i> , 2017, 41, 4308-4315.	1.4	10
56	The selective disruption of presynaptic JNK2/STX1a interaction reduces NMDA receptor-dependent glutamate release. <i>Scientific Reports</i> , 2019, 9, 7146.	1.6	10
57	Enantioselective synthesis, chiroptical properties and absolute configuration of 3-aminosubstituted isothiazole S-oxides. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 2247-2256.	1.8	9
58	Tuning antiviral CD8 T-cell response via proline-altered peptide ligand vaccination. <i>PLoS Pathogens</i> , 2020, 16, e1008244.	2.1	9
59	Exploring the copper binding ability of Mets7 hCtrâ€¹ protein domain and His7 derivative: An insight in Michael addition catalysis. <i>Journal of Peptide Science</i> , 2021, 27, e3289.	0.8	9
60	Ultrashort Peptides and Gold Nanoparticles: Influence of Constrained Amino Acids on Colloidal Stability. <i>Frontiers in Chemistry</i> , 2021, 9, 736519.	1.8	9
61	Development of poly(lactideâ€”glycolide) nanoparticles functionalized with a mitochondria penetrating peptide. <i>Journal of Peptide Science</i> , 2017, 23, 182-188.	0.8	9
62	Multicomponent Synthesis of Pentyl-Sulfonyl Amidines via Diazoalkane. <i>Synlett</i> , 2012, 23, 1523-1525.	1.0	8
63	The Immunogenicity of a Proline-Substituted Altered Peptide Ligand toward the Cancer-Associated TEIPP Neoepitope Trh4 Is Unrelated to Complex Stability. <i>Journal of Immunology</i> , 2018, 200, 2860-2868.	0.4	8
64	On-resin multicomponent 1,3-dipolar cycloaddition of cyclopentanoneâ€”proline enamines and sulfonylazides as an efficient tool for the synthesis of amidino depsipeptide mimics. <i>Amino Acids</i> , 2020, 52, 15-24.	1.2	8
65	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. <i>PLoS ONE</i> , 2017, 12, e0189584.	1.1	7
66	Rational Design of a User-Friendly Aptamer/Peptide-Based Device for the Detection of <i>Staphylococcus aureus</i> . <i>Sensors</i> , 2020, 20, 4977.	2.1	7
67	Multi- <i>e</i> GO: An in silico lens to look into protein aggregation kinetics at atomic resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	7
68	Novel 3-O-Glycosyl-3-demethylthiocolchicines as Ligands for Glycine and Î³-Aminobutyric Acid Receptors. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 2245-2248.	2.9	6
69	On the Stability of Polyalanine Secondary Structures: The Role of the Polyproline II Helix. <i>ChemPhysChem</i> , 2011, 12, 2724-2727.	1.0	6
70	Ruthenium(II) complexes bearing (NNN) ligand: catalytic evaluation of different solvent-mediated coordination modes. <i>Canadian Journal of Chemistry</i> , 2018, 96, 40-43.	0.6	6
71	Vancomycin-Iridium (III) Interaction: An Unexplored Route for Enantioselective Imine Reduction. <i>Molecules</i> , 2019, 24, 2771.	1.7	6
72	Î²-Hairpin Peptide Mimics Decrease Human Islet Amyloid Polypeptide (hIAPP) Aggregation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 729001.	1.8	6

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73	A new efficient synthesis of enantiopure diastereomeric 3-aminocyclopentylglycines. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 584-592.	1.8	5
74	Semisynthesis of New D-seco-C-nor-Taxane Derivatives Containing a Polyfunctionalized Furanosyl or Cyclopentenyl or Cyclopentyl C-Ring. <i>Journal of Organic Chemistry</i> , 2008, 73, 8893-8900.	1.7	5
75	Fused Isothiazole S-Oxide Systems from Cycloaddition Reactions of N-Benzylisothiazolamine Oxide. <i>Helvetica Chimica Acta</i> , 2009, 92, 779-789.	1.0	5
76	Alternative Strategy to Obtain Artificial Imine Reductase by Exploiting Vancomycin/D-Ala-D-Ala Interactions with an Iridium Metal Complex. <i>Inorganic Chemistry</i> , 2021, 60, 2976-2982.	1.9	5
77	3-Amino-Substituted Isothiazole S,S-Dioxides as Dienophiles in Diels-Alder Cycloaddition Reactions with Cyclic, Acyclic and Heterocyclic Dienes. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 4285-4290.	1.2	4
78	1-Aminocyclopentane-1,2,4-tricarboxylic acids screening on glutamatergic and serotonergic systems. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 7581-7589.	1.4	4
79	Isothiazoles. , 2008, , 545-633.		4
80	A Mild and Efficient Synthesis of 3-Aminosubstituted Isothiazole S-Oxides and their 5-Sulfanylsubstituted Derivatives. <i>Letters in Organic Chemistry</i> , 2008, 5, 623-627.	0.2	4
81	Identification of the first enantiopure Rac1 protein interaction inhibitor and its optimized synthesis via phosphine free remote group directed hydroarylation. <i>MedChemComm</i> , 2019, 10, 310-314.	3.5	4
82	A New Series of Organocatalysts for Diels-Alder Cycloaddition Reactions and Theoretical Analysis. <i>Current Organic Chemistry</i> , 2011, 15, 3514-3522.	0.9	3
83	Hydroarylation of Substituted Norbornene Amino Acids: Studies on Long-Range Stereo-Electronic Effects on the Regioselectivity of the Addition. <i>Current Organic Chemistry</i> , 2012, 16, 2724-2738.	0.9	3
84	Nonabsorbable Iron(III) binding polymers: Synthesis and evaluation of the chelating properties. <i>Polymer Testing</i> , 2020, 90, 106693.	2.3	3
85	Exploiting Ultrashort β -Peptides in the Colloidal Stabilization of Gold Nanoparticles. <i>Langmuir</i> , 2021, 37, 11365-11373.	1.6	3
86	Diastereoselective Synthesis of Pyrazolines by Metal-Free Rearrangement of Bicyclic Triazolines. <i>Synthesis</i> , 2020, 52, 2892-2898.	1.2	2
87	L- to D-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. <i>ACS Omega</i> , 2022, 7, 9622-9635.	1.6	1
88	Novel MMP-inhibiting peptides for stabilizing atherosclerotic plaques. <i>Atherosclerosis</i> , 2017, 263, e47-e48.	0.4	0