Sabrina Castellano

List of Publications by Year
in descending order

74	2,874	172443	175241
papers	citations	29 h-index	52 g-index

87	87	87	4273
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Small-Molecule Inhibitors of Protein Geranylgeranyltransferase Type I. Journal of the American Chemical Society, 2007, 129, 5843-5845.	13.7	196
2	Histone deacetylase inhibitor activity in royal jelly might facilitate caste switching in bees. EMBO Reports, 2011, 12, 238-243.	4.5	173
3	Synthesis and Biochemical Evaluation of Î”²-Isoxazoline Derivatives as DNA Methyltransferase 1 Inhibitors. Journal of Medicinal Chemistry, 2011, 54, 7663-7677.	6.4	154
4	¹¹C-ER176, a Radioligand for 18-kDa Translocator Protein, Has Adequate Sensitivity to Robustly Image All Three Affinity Genotypes in Human Brain. Journal of Nuclear Medicine, 2017, 58, 320-325.	5.0	146
5	Antimycobacterial activity of ionic fullerene derivatives. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 1043-1045.	2.2	125
6	Design and Synthesis of Novel [60]Fullerene Derivatives as Potential HIV Aspartic Protease Inhibitors. Organic Letters, 2000, 2, 3955-3958.	4.6	110
7	Small Molecule Inhibitors of Histone Arginine Methyltransferases:â€‰ Homology Modeling, Molecular Docking, Binding Mode Analysis, and Biological Evaluations. Journal of Medicinal Chemistry, 2007, 50, 1241-1253.	6.4	98
8	Identification of long chain alkylidenemalonates as novel small molecule modulators of histone acetyltransferases. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 2788-2792.	2.2	96
9	Constrained Analogues of Procaine as Novel Small Molecule Inhibitors of DNA Methyltransferase-1. Journal of Medicinal Chemistry, 2008, 51, 2321-2325.	6.4	93
10	N ^{Îµ} -lysine acetylation determines dissociation from GAP junctions and lateralization of connexin 43 in normal and dystrophic heart. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2795-2800.	7.1	93
11	Synthesis and Evaluation of Translocator 18 kDa Protein (TSPO) Positron Emission Tomography (PET) Radioligands with Low Binding Sensitivity to Human Single Nucleotide Polymorphism rs6971. ACS Chemical Neuroscience, 2014, 5, 963-971.	3.5	91
12	p300/CBP-Associated Factor Selectively Regulates the Extinction of Conditioned Fear. Journal of Neuroscience, 2012, 32, 11930-11941.	3.6	82
13	Tau-Centric Multitarget Approach for Alzheimerâ€™s Disease: Development of First-in-Class Dual Glycogen Synthase Kinase 3Î² and Tau-Aggregation Inhibitors. Journal of Medicinal Chemistry, 2018, 61, 7640-7656.	6.4	81
14	The emerging role of lysine methyltransferase SETD8 in human diseases. Clinical Epigenetics, 2016, 8, 102.	4.1	77
15	The Histone Acetylase Activator Pentadecylidenemalonate 1b Rescues Proliferation and Differentiation in the Human Cardiac Mesenchymal Cells of Type 2 Diabetic Patients. Diabetes, 2014, 63, 2132-2147.	0.6	66
16	Novel 3,5-Bis(bromohydroxybenzylidene)piperidin-4-ones as Coactivator-Associated Arginine Methyltransferase 1 Inhibitors: Enzyme Selectivity and Cellular Activity. Journal of Medicinal Chemistry, 2011, 54, 4928-4932.	6.4	65
17	Identification of 4-hydroxyquinolines inhibitors of p300/CBP histone acetyltransferases. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 1132-1135.	2.2	63
18	Design, Synthesis and Biological Evaluation of Carboxy Analogues of Arginine Methyltransferase Inhibitorâ€…1 (AMIâ€‑1). ChemMedChem, 2010, 5, 398-414.	3.2	60

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19	Diversity Through a Branched Reaction Pathway: Generation of Multicyclic Scaffolds and Identification of Antimigratory Agents. Chemistry - A European Journal, 2011, 17, 649-654.	3.3	57
20	The histone methyltransferase EZH2 as a druggable target in SHH medulloblastoma cancer stem cells. Oncotarget, 2017, 8, 68557-68570.	1.8	49
21	A Novel Cell-Permeable, Selective, and Noncompetitive Inhibitor of KAT3 Histone Acetyltransferases from a Combined Molecular Pruning/Classical Isosterism Approach. Journal of Medicinal Chemistry, 2015, 58, 2779-2798.	6.4	48
22	Structureâ€"Activity Relationship Refinement and Further Assessment of 4-Phenylquinazoline-2-carboxamide Translocator Protein Ligands as Antiproliferative Agents in Human Glioblastoma Tumors. Journal of Medicinal Chemistry, 2014, 57, 2413-2428.	6.4	41
23	Enhancement of lysine acetylation accelerates wound repair. Communicative and Integrative Biology, 2013, 6, e25466.	1.4	37
24	Synthesis and Biological Evaluation of 4-Phenylquinazoline-2-carboxamides Designed as a Novel Class of Potent Ligands of the Translocator Protein. Journal of Medicinal Chemistry, 2012, 55, 4506-4510.	6.4	36
25	Luminometric sub-nanoliter droplet-to-droplet array (LUMDA) and its application to drug screening by phase I metabolism enzymes. Lab on A Chip, 2013, 13, 68-72.	6.0	34
26	Discovery of a Novel Chemotype of Histone Lysine Methyltransferase EHMT1/2 (GLP/G9a) Inhibitors: Rational Design, Synthesis, Biological Evaluation, and Co-crystal Structure. Journal of Medicinal Chemistry, 2019, 62, 2666-2689.	6.4	33
27	Identification of Limonol Derivatives as Heat Shock Proteinâ€...90 (Hsp90) Inhibitors through a Multidisciplinary Approach. Chemistry - A European Journal, 2016, 22, 13236-13250.	3.3	31
28	Synthesis of 3-Aryl/benzyl-4,5,6,6a-tetrahydro-3aH-pyrrolo[3,4-d]isoxazole Derivatives: A Comparison between Conventional, Microwave-Assisted and Flow-Based Methodologies. Journal of Organic Chemistry, 2010, 75, 7439-7442.	3.2	30
29	Modulation of the activity of histone acetyltransferases by long chain alkylidenemalonates (LoCAMs). Bioorganic and Medicinal Chemistry, 2011, 19, 3690-3701.	3.0	29
30	P300/CBP Associated Factor Regulates Nitroglycerin-Dependent Arterial Relaxation by N ^{Îµ} -Lysine Acetylation of Contractile Proteins. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2435-2443.	2.4	29
31	Quinolineâ€Based p300 Histone Acetyltransferase Inhibitors with Proâ€apoptotic Activity in Human Leukemia U937 Cells. ChemMedChem, 2014, 9, 542-548.	3.2	29
32	Chemical biology of Histone acetyltransferase natural compounds modulators. Molecular Diversity, 2011, 15, 401-416.	3.9	28
33	Novel 2-substituted-benzimidazole-6-sulfonamides as carbonic anhydrase inhibitors: synthesis, biological evaluation against isoforms I, II, IX and XII and molecular docking studies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1697-1710.	5.2	28
34	Identification of PR-SET7 and EZH2 selective inhibitors inducing cell death in human leukemia U937 cells. Biochimie, 2012, 94, 2308-2313.	2.6	27
35	Regulation of USP37 Expression by REST-Associated G9a-Dependent Histone Methylation. Molecular Cancer Research, 2017, 15, 1073-1084.	3.4	27
36	A continuous-flow synthesis of 1,4-benzodiazepin-5-ones, privileged scaffolds for drug discovery. RSC Advances, 2015, 5, 1268-1273.	3.6	24

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37	CYP19 (aromatase): Exploring the scaffold flexibility for novel selective inhibitors. Bioorganic and Medicinal Chemistry, 2008, 16, 8349-8358.	3.0	23
38	Identification of Small-Molecule Enhancers of Arginine Methylation Catalyzed by Coactivator-Associated Arginine Methyltransferase 1. Journal of Medicinal Chemistry, 2012, 55, 9875-9890.	6.4	22
39	A practical, green, and selective approach toward the synthesis of pharmacologically important quinone-containing heterocyclic systems using alumina-catalyzed Michael addition reaction. Tetrahedron Letters, 2008, 49, 583-585.	1.4	21
40	Identification of Structural Features of 2â€Alkylideneâ€1,3â€Dicarbonyl Derivatives that Induce Inhibition and/or Activation of Histone Acetyltransferases KAT3B/p300 and KAT2B/PCAF. ChemMedChem, 2015, 10, 144-157.	3.2	21
41	Lysine methyltransferase inhibitors: where we are now. RSC Chemical Biology, 2022, 3, 359-406.	4.1	21
42	Synthesis and antimicrobial properties of 3-aryl-1-(1,1â€²-biphenyl-4-yl)-2-(1H-imidazol-1-yl)propanes as antifungal agents. Il Farmaco, 2003, 58, 563-568.	0.9	20
43	Progress in the Development of Lysine Methyltransferase SETD8 Inhibitors. ChemMedChem, 2016, 11, 1680-1685.	3.2	18
44	Polycyclic maleimide-based derivatives as first dual modulators of neuronal calcium channels and GSK-3Î² for Alzheimer's disease treatment. European Journal of Medicinal Chemistry, 2019, 163, 394-402.	5.5	18
45	Antifungal activity of azole compounds CPA18 and CPA109 against azole-susceptible and -resistant strains of Candida albicans. Journal of Antimicrobial Chemotherapy, 2013, 68, 1111-1119.	3.0	17
46	Synthesis and Screening in Mice of Fluorine-Containing PET Radioligands for TSPO: Discovery of a Promising ¹⁸F-Labeled Ligand. Journal of Medicinal Chemistry, 2021, 64, 16731-16745.	6.4	15
47	Turning Nonselective Inhibitors of Type I Protein Arginine Methyltransferases into Potent and Selective Inhibitors of Protein Arginine Methyltransferase 4 through a Deconstructionâ€“Reconstruction and Fragment-Growing Approach. Journal of Medicinal Chemistry, 2022, 65, 11574-11606.	6.4	15
48	Synthesis and antifungal properties of N-[(1,1â€²-biphenyl)-4-ylmethyl]-1H-imidazol-1-amine derivatives. Il Farmaco, 2002, 57, 1015-1018.	0.9	13
49	Modulation of Cell Differentiation, Proliferation, and Tumor Growth by Dihydrobenzyloxopyrimidine Non-Nucleoside Reverse Transcriptase Inhibitors. Journal of Medicinal Chemistry, 2011, 54, 5927-5936.	6.4	13
50	Exploiting the 4-Phenylquinazoline Scaffold for the Development of High Affinity Fluorescent Probes for the Translocator Protein (TSPO). Journal of Medicinal Chemistry, 2017, 60, 7897-7909.	6.4	13
51	6-Alkylthio-4-[1-(2,6-difluorophenyl)alkyl]-1H-[1,3,5]triazin-2-ones (ADATs): Novel Regulators of Cell Differentiation and Proliferation. ChemMedChem, 2006, 1, 1073-1080.	3.2	12
52	Effects of azole treatments on the physical properties of Candida albicans plasma membrane: A spin probe EPR study. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 465-473.	2.6	11
53	Azole Antifungal Agents Related to Naftifine and Butenafine. Archiv Der Pharmazie, 2000, 333, 162-166.	4.1	10
54	Unprecedented synthesis of a novel amino quinone ring system via oxidative decarboxylation of quinone-based Î±,Î±-amino esters. Organic and Biomolecular Chemistry, 2010, 8, 622-627.	2.8	9

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55	Inhibition studies on carbonic anhydrase isoforms I, II, IV and IX with N-arylsubstituted secondary sulfonamides featuring a bicyclic tetrahydroindazole scaffold. European Journal of Medicinal Chemistry, 2021, 220, 113490.	5.5	9
56	Essential Principles and Recent Progress in the Development of TSPO PET Ligands for Neuroinflammation Imaging. Current Medicinal Chemistry, 2022, 29, 4862-4890.	2.4	9
57	Synthesis of tricyclic triazepinones related to nevirapine. Journal of Heterocyclic Chemistry, 2000, 37, 1539-1542.	2.6	8
58	A chemoenzymatic approach to the synthesis of the stereoisomers of a Î²-adrenergic receptor antagonist. Tetrahedron: Asymmetry, 2000, 11, 2741-2751.	1.8	8
59	A New Class of Antifungal Agents. Synthesis and Antimycotic Activity of DisubstitutedN-Azolylamines. Archiv Der Pharmazie, 2000, 333, 299-304.	4.1	7
60	Synthesis of 11-aryl-5H-imidazo[2,1-c][1,4]benzodiazepines and their benzodiazepine and A1 adenosine binding activity. Il Farmaco, 2001, 56, 771-778.	0.9	7
61	Straightforward, metal-free, and stereoselective synthesis of 9-oxo- and 10-hydroxy-2(E)-decenoic acids, important components of honeybee (Apis mellifera) secretions. RSC Advances, 2012, 2, 5229.	3.6	7
62	N-Pyrrylarylsulfones with High Therapeutic Potential. Molecules, 2017, 22, 434.	3.8	7
63	Highly efficient synthesis and chemical separation of 5-amino- and 7-amino-4-hydroxy-2-naphthoic acids. Tetrahedron Letters, 2007, 48, 4653-4655.	1.4	6
64	Development of a Microscale Thermophoresis-Based Method for Screening and Characterizing Inhibitors of the Methyl-Lysine Reader Protein MRG15. SLAS Discovery, 2021, 26, 77-87.	2.7	5
65	Reverse transcriptase inhibition potentiates target therapy in BRAF-mutant melanomas: effects on cell proliferation, apoptosis, DNA-damage, ROS induction and mitochondrial membrane depolarization. Cell Communication and Signaling, 2020, 18, 150.	6.5	4
66	Tetrahydroquinazole-based secondary sulphonamides as carbonic anhydrase inhibitors: synthesis, biological evaluation against isoforms I, II, IV, and IX, and computational studies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1874-1883.	5.2	4
67	Mustard Carbonate Analogues as Sustainable Reagents for the Aminoalkylation of Phenols. European Journal of Organic Chemistry, 2021, 2021, 3459-3464.	2.4	4
68	Translocator Protein 18-kDa: a promising target to treat neuroinflammation-related degenerative diseases. Current Medicinal Chemistry, 2022, 29, .	2.4	4
69	Interaction of Azole Compounds with DOPC and DOPC/Ergosterol Bilayers by Spin Probe EPR Spectroscopy: Implications for Antifungal Activity. Journal of Physical Chemistry B, 2013, 117, 11978-11987.	2.6	2
70	Age-dependent attenuation of spatial memory deficits by the histone acetyltransferase p300/CBP-associated factor (PCAF) in 3xTG Alzheimer's disease mice. Learning and Memory, 2022, 29, 71-76.	1.3	2
71	A regioselective approach toward the synthesis of pharmacologically important quinone-containing heterocyclic systems. Tetrahedron Letters, 2009, 50, 6869-6871.	1.4	1
72	Microwave-assisted aminoalkylation of phenols via mustard carbonate analogues. Synthesis, 0, , .	2.3	1

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73	Synthesis and Antifungal Properties of N-[(1,1â€²-Biphenyl)-4-ylmethyl]-1H-imidazol-1-amine Derivatives.. ChemInform, 2003, 34, no.	0.0	0
74	Synthesis and Antimicrobial Properties of 3-Aryl-1-(1,1â€²-biphenyl-4-yl)-2-(1H-imidazol-1-yl)propanes as â€œCarba-Analoguesâ€•of the N-Arylmethyl-N-[(1,1â€²-biphenyl)-4-ylmethyl]-1H-imidazol-1-amines, a New Class of Antifungal Agents.. ChemInform, 2003, 34, no.	0.0	0