Francesco Saverio Di Leva

List of Publications by Year
in descending order

51 papers	1,679 citations	218381 26 h-index	301761 39 g-index
51 all docs	51 docs citations	51 times ranked	2778 citing authors

#	Article	IF	Citations
1	Targeting SARS-CoV-2 Proteases and Polymerase for COVID-19 Treatment: State of the Art and Future Opportunities. Journal of Medicinal Chemistry, 2022, 65, 2716-2746.	2.9	149
2	Mechanistic insight into ligand binding to G-quadruplex DNA. Nucleic Acids Research, 2014, 42, 5447-5455.	6.5	79
3	Design, Synthesis, and Biological Evaluation of Potent Dual Agonists of Nuclear and Membrane Bile Acid Receptors. Journal of Medicinal Chemistry, 2014, 57, 937-954.	2.9	79
4	Rational Improvement of the Affinity and Selectivity of Integrin Binding of Grafted Lasso Peptides. Journal of Medicinal Chemistry, 2014, 57, 5829-5834.	2.9	68
5	Biselectivity of isoDGR Peptides for Fibronectin Binding Integrin Subtypes Î±5Î²1 and Î±vÎ²6: Conformational Control through Flanking Amino Acids. Journal of Medicinal Chemistry, 2013, 56, 1509-1519.	2.9	67
6	Identification of Highly Conserved Residues Involved in Inhibition of HIV-1 RNase H Function by Diketo Acid Derivatives. Antimicrobial Agents and Chemotherapy, 2014, 58, 6101-6110.	1.4	64
7	Modification on Ursodeoxycholic Acid (UDCA) Scaffold. Discovery of Bile Acid Derivatives As Selective Agonists of Cell-Surface G-Protein Coupled Bile Acid Receptor 1 (GP-BAR1). Journal of Medicinal Chemistry, 2014, 57, 7687-7701.	2.9	62
8	Stable Peptides Instead of Stapled Peptides: Highly Potent Î±vÎ²6â€Selective Integrin Ligands. Angewandte Chemie - International Edition, 2016, 55, 1535-1539.	7.2	59
9	Monothiocarbamates Strongly Inhibit Carbonic Anhydrases in Vitro and Possess Intraocular Pressure Lowering Activity in an Animal Model of Glaucoma. Journal of Medicinal Chemistry, 2016, 59, 5857-5867.	2.9	54
10	Basic Quinolinonyl Diketo Acid Derivatives as Inhibitors of HIV Integrase and their Activity against RNase H Function of Reverse Transcriptase. Journal of Medicinal Chemistry, 2014, 57, 3223-3234.	2.9	51
11	Binding Mechanism of the Farnesoid X Receptor Marine Antagonist Suvanine Reveals a Strategy To Forestall Drug Modulation on Nuclear Receptors. Design, Synthesis, and Biological Evaluation of Novel Ligands. Journal of Medicinal Chemistry, 2013, 56, 4701-4717.	2.9	49
12	Exploring the Chemical Space of G-Quadruplex Binders: Discovery of a Novel Chemotype Targeting the Human Telomeric Sequence. Journal of Medicinal Chemistry, 2013, 56, 9646-9654.	2.9	48
13	Protein Flexibility in Virtual Screening: The BACE-1 Case Study. Journal of Chemical Information and Modeling, 2012, 52, 2697-2704.	2.5	47
14	Phenylpyrazolo[1,5-a]quinazolin-5(4H)-one: A Suitable Scaffold for the Development of Noncamptothecin Topoisomerase I (Top1) Inhibitors. Journal of Medicinal Chemistry, 2013, 56, 7458-7462.	2.9	43
15	State-of-the-Art Methodologies for the Discovery and Characterization of DNA G-Quadruplex Binders. Current Pharmaceutical Design, 2012, 18, 1880-1899.	0.9	40
16	N-Substituted Quinolinonyl Diketo Acid Derivatives as HIV Integrase Strand Transfer Inhibitors and Their Activity against RNase H Function of Reverse Transcriptase. Journal of Medicinal Chemistry, 2015, 58, 4610-4623.	2.9	38
17	Pharmacophoric Modifications Lead to Superpotent Î±vÎ²3 Integrin Ligands with Suppressed Î±5Î²1 Activity. Journal of Medicinal Chemistry, 2014, 57, 3410-3417.	2.9	35
18	New insights into the interaction between pyrrolyl diketoacids and HIV-1 integrase active site and comparison with RNase H. Antiviral Research, 2016, 134, 236-243.	1.9	35

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19	The ring residue proline 8 is crucial for the thermal stability of the lasso peptide caulosegnin II. Molecular BioSystems, 2016, 12, 1106-1109.	2.9	35
20	Bioinformatics and Biosimulations as Toolbox for Peptides and Peptidomimetics Design: Where Are We?. Frontiers in Molecular Biosciences, 2020, 7, 66.	1.6	34
21	Selective Targeting of Integrin Î±vÎ²8 by a Highly Active Cyclic Peptide. Journal of Medicinal Chemistry, 2019, 62, 2024-2037.	2.9	33
22	Hyodeoxycholic acid derivatives as liver X receptor Î± and G-protein-coupled bile acid receptor agonists. Scientific Reports, 2017, 7, 43290.	1.6	30
23	Overcoming the Lack of Oral Availability of Cyclic Hexapeptides: Design of a Selective and Orally Available Ligand for the Integrinâ€…Î±vÎ²3. Angewandte Chemie - International Edition, 2017, 56, 16405-16409.	7.2	30
24	Investigation around the Oxadiazole Core in the Discovery of a New Chemotype of Potent and Selective FXR Antagonists. ACS Medicinal Chemistry Letters, 2019, 10, 504-510.	1.3	27
25	Novel Isoxazole Derivatives with Potent FXR Agonistic Activity Prevent Acetaminophen-Induced Liver Injury. ACS Medicinal Chemistry Letters, 2019, 10, 407-412.	1.3	27
26	Exploring the N-Terminal Region of C-X-C Motif Chemokine 12 (CXCL12): Identification of Plasma-Stable Cyclic Peptides As Novel, Potent C-X-C Chemokine Receptor Type 4 (CXCR4) Antagonists. Journal of Medicinal Chemistry, 2016, 59, 8369-8380.	2.9	26
27	From a Helix to a Small Cycle: Metadynamicsâ€Inspired Î±vÎ²6 Integrin Selective Ligands. Angewandte Chemie - International Edition, 2018, 57, 14645-14649.	7.2	26
28	Identification of novel molecular scaffolds for the design of MMP-13 inhibitors: A first round of lead optimization. European Journal of Medicinal Chemistry, 2012, 47, 143-152.	2.6	25
29	Lead Discovery of Dual G-Quadruplex Stabilizers and Poly(ADP-ribose) Polymerases (PARPs) Inhibitors: A New Avenue in Anticancer Treatment. Journal of Medicinal Chemistry, 2017, 60, 3626-3635.	2.9	24
30	Structure-based drug design targeting the cell membrane receptor GPBAR1: exploiting the bile acid scaffold towards selective agonism. Scientific Reports, 2015, 5, 16605.	1.6	23
31	Targeting Bile Acid Receptors: Discovery of a Potent and Selective Farnesoid X Receptor Agonist as a New Lead in the Pharmacological Approach to Liver Diseases. Frontiers in Pharmacology, 2017, 8, 162.	1.6	23
32	Ligand-Based NMR Study of C-X-C Chemokine Receptor Type 4 (CXCR4)â€“Ligand Interactions on Living Cancer Cells. Journal of Medicinal Chemistry, 2018, 61, 2910-2923.	2.9	22
33	Simultaneous Targeting of RGD-Integrins and Dual Murine Double Minute Proteins in Glioblastoma Multiforme. Journal of Medicinal Chemistry, 2018, 61, 4791-4809.	2.9	22
34	Structureâ€“Activity Relationships and Biological Characterization of a Novel, Potent, and Serum Stable C-X-C Chemokine Receptor Type 4 (CXCR4) Antagonist. Journal of Medicinal Chemistry, 2017, 60, 9641-9652.	2.9	21
35	Clickâ€Chemistry (CuAAC) Trimerization of an Î±_vÎ²₆ Integrin Targeting Gaâ€68â€Peptide: Enhanced Contrast for inâ€Vivo PET Imaging of Human Lung Adenocarcinoma Xenografts. ChemBioChem, 2020, 21, 2836-2843.	1.3	20
36	N-Methylation of isoDGR Peptides: Discovery of a Selective Î±5Î²1-Integrin Ligand as a Potent Tumor Imaging Agent. Journal of Medicinal Chemistry, 2018, 61, 2490-2499.	2.9	18

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37	Discovery of N-aryl-naphthylamines as inÂvitro inhibitors of the interaction between HIV integrase and the cofactor LEDGF/p75. European Journal of Medicinal Chemistry, 2015, 101, 288-294.	2.6	16
38	Targeting the KRAS oncogene: Synthesis, physicochemical and biological evaluation of novel G-Quadruplex DNA binders. European Journal of Pharmaceutical Sciences, 2020, 149, 105337.	1.9	15
39	Discovery of dihydroxyindole-2-carboxylic acid derivatives as dual allosteric HIV-1 Integrase and Reverse Transcriptase associated Ribonuclease H inhibitors. Antiviral Research, 2020, 174, 104671.	1.9	14
40	The organometallic ferrocene exhibits amplified anti-tumor activity by targeted delivery via highly selective ligands to Î±vÎ²3, Î±vÎ²6, or Î±5Î²1 integrins. Biomaterials, 2021, 271, 120754.	5.7	14
41	Marine and Semi-Synthetic Hydroxysteroids as New Scaffolds for Pregnane X Receptor Modulation. Marine Drugs, 2014, 12, 3091-3115.	2.2	13
42	Discovery of ((1,2,4-oxadiazol-5-yl)pyrrolidin-3-yl)ureidyl derivatives as selective non-steroidal agonists of the G-protein coupled bile acid receptor-1. Scientific Reports, 2019, 9, 2504.	1.6	13
43	Stabile Peptide statt â€œgestapelte Peptideâ€• hochaffine Î±vÎ²6â€selektive Integrinliganden. Angewandte Chemie, 2016, 128, 1559-1563.	1.6	11
44	Disulfide Bond Replacement with 1,4â€•and 1,5â€Disubstituted [1,2,3]â€Triazole on Câ€Xâ€C Chemokine Receptor Type 4 (CXCR4) Peptide Ligands: Small Changes that Make Big Differences. Chemistry - A European Journal, 2020, 26, 10113-10125.	1.7	10
45	Halting the Spread of Herpes Simplex Virus-1: The Discovery of an Effective Dual Î±vÎ²6/Î±vÎ²8 Integrin Ligand. Journal of Medicinal Chemistry, 2021, 64, 6972-6984.	2.9	9
46	Structural Insight into the Binding Mode of FXR and GPBAR1 Modulators. Handbook of Experimental Pharmacology, 2019, 256, 111-136.	0.9	8
47	GPBAR1 Activation by C6-Substituted Hyodeoxycholane Analogues Protect against Colitis. ACS Medicinal Chemistry Letters, 2020, 11, 818-824.	1.3	8
48	LÃ¶sung des Problems mangelnder oraler VerfÃ¼gbarkeit cyclischer Hexapeptide: Entwicklung eines selektiven, oral verfÃ¼gbaren Liganden fÃ¼r das Integrinâ€…Î±vÎ²3. Angewandte Chemie, 2017, 129, 16624-16629.	1.6	5
49	Epoxide functionalization on cholane side chains in the identification of G-protein coupled bile acid receptor (GPBAR1) selective agonists. RSC Advances, 2017, 7, 32877-32885.	1.7	4
50	Von einer Helix zu einem kleinen Ring: Metadynamikâ€inspirierte, selektive Liganden fÃ¼r Î±vÎ²6â€Integrin. Angewandte Chemie, 2018, 130, 14856-14860.	1.6	3
51	Introduction of Nonacidic Side Chains on 6-Ethylcholane Scaffolds in the Identification of Potent Bile Acid Receptor Agonists with Improved Pharmacokinetic Properties. Molecules, 2019, 24, 1043.	1.7	3