

Luca D D'andrea

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,662
citations

279487

23
h-index

189595

50
g-index

73
all docs

73
docs citations

73
times ranked

3986
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural characterization of the thermal unfolding pathway of human VEGFR1 D2 domain. FEBS Journal, 2022, 289, 1591-1602.	2.2	0
2	Exploiting Protein N-Terminus for Site-Specific Bioconjugation. Molecules, 2021, 26, 3521.	1.7	19
3	Metabolic and conformational stabilization of a VEGF-mimetic beta-hairpin peptide by click-chemistry. European Journal of Medicinal Chemistry, 2021, 222, 113575.	2.6	4
4	Probing the helical stability in a VEGF-mimetic peptide. Bioorganic Chemistry, 2021, 116, 105379.	2.0	3
5	An innovative approach for the synthesis of dual modality peptide imaging probes based on the native chemical ligation approach. Chemical Communications, 2020, 56, 3500-3503.	2.2	8
6	Therapeutic aspects of the Axl/Gas6 molecular system. Drug Discovery Today, 2020, 25, 2130-2148.	3.2	22
7	Application of Biophysical Techniques to Investigate the Interaction of Antimicrobial Peptides With Bacterial Cells. Frontiers in Medical Technology, 2020, 2, 606079.	1.3	3
8	Labeling of VEGFR1D2 through oxime ligation. Bioorganic Chemistry, 2019, 91, 103160.	2.0	7
9	Biochemical and Conformational Characterization of Recombinant VEGFR2 Domain 7. Molecular Biotechnology, 2019, 61, 860-872.	1.3	2
10	Human Recombinant VEGFR2D4 Biochemical Characterization to Investigate Novel Anti-VEGFR2D4 Antibodies for Allosteric Targeting of VEGFR2. Molecular Biotechnology, 2019, 61, 513-520.	1.3	3
11	Structural studies of the binding of an antagonistic cyclic peptide to the VEGFR1 domain 2. European Journal of Medicinal Chemistry, 2019, 169, 65-75.	2.6	8
12	Coordination of a bis-histidine-oligopeptide to Re(<i>sc</i>) and Ga(<i>sc</i>) in aqueous solution. Dalton Transactions, 2019, 48, 15184-15191.	1.6	1
13	Total chemical synthesis by native chemical ligation of the all-D immunoglobulin-like domain 2 of Axl. Tetrahedron, 2019, 75, 894-905.	1.0	12
14	Short PlGF-derived peptides bind VEGFR ₁ and VEGFR ₂ in vitro and on the surface of endothelial cells. Journal of Peptide Science, 2019, 25, e3146.	0.8	4
15	Conformational stabilization of a β -hairpin through a triazole-tryptophan interaction. Organic and Biomolecular Chemistry, 2018, 16, 787-795.	1.5	8
16	Pro-angiogenic peptides in biomedicine. Archives of Biochemistry and Biophysics, 2018, 660, 72-86.	1.4	27
17	VEGFR Recognition Interface of a Proangiogenic VEGF-mimetic Peptide Determined In Vitro and in the Presence of Endothelial Cells by NMR Spectroscopy. Chemistry - A European Journal, 2018, 24, 11461-11466.	1.7	24
18	Effect of Acylation on the Antimicrobial Activity of Temporin-B Analogues. ChemMedChem, 2018, 13, 1549-1554.	1.6	5

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19	VEGF mimic peptides: Potential applications in central nervous system therapeutics. <i>European Journal of Molecular and Clinical Medicine</i> , 2017, 3, 233.	0.5	3
20	Unveiling a VEGF-mimetic peptide sequence in the IQGAP1 protein. <i>Molecular BioSystems</i> , 2017, 13, 1619-1629.	2.9	21
21	Studying the Interaction of Magainin 2 and Cecropin A with E. coli Bacterial Cells Using Circular Dichroism. <i>Methods in Molecular Biology</i> , 2017, 1548, 247-253.	0.4	1
22	Detection of oligonucleotides by PNA-peptide conjugates recognizing the biarsenical fluorescein complex FAsH-EDT2. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 126-131.	1.0	4
23	Miniaturizing VEGF: Peptides mimicking the discontinuous VEGF receptor-binding site modulate the angiogenic response. <i>Scientific Reports</i> , 2016, 6, 31295.	1.6	21
24	Determination of the secondary structure of peptides in the presence of Gram positive bacterium S. epidermidis cells. <i>RSC Advances</i> , 2016, 6, 51407-51410.	1.7	7
25	$\text{Re}(\text{H}_2\text{O})_3(\text{CO})_3$ Complexed with Histidine and Imidazole in Aqueous Solution: Speciation, Affinity and Binding Features. <i>ChemistrySelect</i> , 2016, 1, 3739-3744.	0.7	5
26	Binding studies of antimicrobial peptides to Escherichia coli cells. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 149-153.	1.0	7
27	1,2,3-Triazole Bridge as Conformational Constraint in β -Hairpin Peptides: Analysis of Hydrogen-Bonded Positions. <i>Chemistry - A European Journal</i> , 2016, 22, 5534-5537.	1.7	13
28	Long range Trp-Trp interaction initiates the folding pathway of a pro-angiogenic β -hairpin peptide. <i>Scientific Reports</i> , 2015, 5, 16651.	1.6	10
29	Functional Binding Surface of a β -Hairpin VEGF Receptor Targeting Peptide Determined by NMR Spectroscopy in Living Cells. <i>Chemistry - A European Journal</i> , 2015, 21, 91-95.	1.7	25
30	Structural Basis of a Temporin 1b Analogue Antimicrobial Activity against Gram Negative Bacteria Determined by CD and NMR Techniques in Cellular Environment. <i>ACS Chemical Biology</i> , 2015, 10, 965-969.	1.6	37
31	Probing the Molecular Origin of Native-State Flexibility in Repeat Proteins. <i>Journal of the American Chemical Society</i> , 2015, 137, 10367-10373.	6.6	16
32	Neuroprotective Effect of VEGF-Mimetic Peptide QK in Experimental Brain Ischemia Induced in Rat by Middle Cerebral Artery Occlusion. <i>ACS Chemical Neuroscience</i> , 2015, 6, 1517-1525.	1.7	24
33	Exploring the dark matter of the human genome using oligonucleotide-based molecules. <i>Future Medicinal Chemistry</i> , 2015, 7, 1627-1630.	1.1	1
34	Screening of β -hairpin peptide-engrafted 1,2,3-triazoles to identify APEH enzyme inhibitors. <i>RSC Advances</i> , 2015, 5, 9965-9972.	1.7	2
35	Structure and biological activity of a conformational constrained apolipoprotein A-I-derived helical peptide targeting the protein haptoglobin. <i>RSC Advances</i> , 2014, 4, 51353-51361.	1.7	3
36	Design, structural and biological characterization of a VEGF inhibitor β -hairpin-constrained peptide. <i>European Journal of Medicinal Chemistry</i> , 2014, 73, 210-216.	2.6	21

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37	Circular Dichroism studies on the interactions of antimicrobial peptides with bacterial cells. <i>Scientific Reports</i> , 2014, 4, 4293.	1.6	96
38	Design, structural and functional characterization of a Temporin-1b analog active against Gram-negative bacteria. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3767-3775.	1.1	50
39	Structural investigation of the VEGF receptor interaction with a helical antagonist peptide. <i>Journal of Peptide Science</i> , 2013, 19, 214-219.	0.8	16
40	Analysis of the haptoglobin binding region on the apolipoprotein Aâ€œâ€œ-derived P2a peptide. <i>Journal of Peptide Science</i> , 2013, 19, 220-226.	0.8	4
41	Semi-Synthesis of Labeled Proteins for Spectroscopic Applications. <i>Molecules</i> , 2013, 18, 440-465.	1.7	15
42	Site-specific protein double labeling by expressed protein ligation: applications to repeat proteins. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 273-280.	1.5	21
43	Î²-Hairpin stabilization through an interstrand triazole bridge. <i>Chemical Communications</i> , 2012, 48, 762-764.	2.2	21
44	C-terminal truncation of Vascular Endothelial Growth Factor mimetic helical peptide preserves structural and receptor binding properties. <i>Biochemical and Biophysical Research Communications</i> , 2012, 424, 290-294.	1.0	16
45	Apolipoprotein A-I (ApoA-I) Mimetic Peptide P2a by Restoring Cholesterol Esterification Unmasks ApoA-I Anti-Inflammatory Endogenous Activity In Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 340, 716-722.	1.3	5
46	Functional and pharmacological characterization of a VEGF mimetic peptide on reparative angiogenesis. <i>Biochemical Pharmacology</i> , 2012, 84, 303-311.	2.0	88
47	Characterization of a Designed Vascular Endothelial Growth Factor Receptor Antagonist Helical Peptide with Antiangiogenic Activity in Vivo. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 1391-1400.	2.9	40
48	Î²-Hairpin Peptide That Targets Vascular Endothelial Growth Factor (VEGF) Receptors. <i>Journal of Biological Chemistry</i> , 2011, 286, 41680-41691.	1.6	32
49	Structural Analysis of a Helical Peptide Unfolding Pathway. <i>Chemistry - A European Journal</i> , 2010, 16, 5400-5407.	1.7	27
50	PNA zipper as a dimerization tool: Development of a bZip mimic. <i>Biopolymers</i> , 2010, 93, 434-441.	1.2	9
51	VEGFR1_{D2} in drug discovery: Expression and molecular characterization. <i>Biopolymers</i> , 2010, 94, 800-809.	1.2	22
52	Development of an efficient and low-cost protocol for the manual PNA synthesis by Fmoc chemistry. <i>Tetrahedron Letters</i> , 2010, 51, 3716-3718.	0.7	27
53	Biochemical and Structural Analysis of the Binding Determinants of a Vascular Endothelial Growth Factor Receptor Peptidic Antagonist. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 4428-4440.	2.9	31
54	Bioinorganic aspects of angiogenesis. <i>Dalton Transactions</i> , 2010, 39, 7625.	1.6	45

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55	Peptides Targeting Angiogenesis Related Growth Factor Receptors. <i>Current Pharmaceutical Design</i> , 2009, 15, 2414-2429.	0.9	39
56	In vivo properties of the proangiogenic peptide QK. <i>Journal of Translational Medicine</i> , 2009, 7, 41.	1.8	101
57	Structural Determinants of the Unusual Helix Stability of a De Novo Engineered Vascular Endothelial Growth Factor (VEGF) Mimicking Peptide. <i>Chemistry - A European Journal</i> , 2008, 14, 4164-4166.	1.7	42
58	In vivo and in vitro characterization of CCK8 bearing a histidine-based chelator labeled with ^{99m}Tc -tricarbonyl. <i>Biopolymers</i> , 2008, 90, 707-712.	1.2	14
59	Semisynthesis of Dimeric Proteins by Expressed Protein Ligation. <i>Organic Letters</i> , 2008, 10, 1955-1958.	2.4	11
60	A vascular endothelial growth factor mimetic accelerates gastric ulcer healing in an iNOS-dependent manner. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, G374-G381.	1.6	33
61	Relevance of the amino acid conversions L144R (Zaragoza) and L159P (Zavalla) in the apolipoprotein A-I binding site for haptoglobin. <i>Biological Chemistry</i> , 2008, 389, 1421-1426.	1.2	4
62	New Synthetic Route to ^{13}C -Mercaptomethyl PNA Monomers. <i>Synthetic Communications</i> , 2008, 38, 2499-2506.	1.1	1
63	A Novel Type of Zinc Finger DNA Binding Domain in the <i>Agrobacterium tumefaciens</i> Transcriptional Regulator RosA. <i>Biochemistry</i> , 2006, 45, 10394-10405.	1.2	34
64	Peptide-based Molecules in Angiogenesis. <i>Chemical Biology and Drug Design</i> , 2006, 67, 115-126.	1.5	84
65	Targeting angiogenesis: Structural characterization and biological properties of a de novo engineered VEGF mimicking peptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14215-14220.	3.3	242
66	Assignment of the Binding Site for Haptoglobin on Apolipoprotein A-I. <i>Journal of Biological Chemistry</i> , 2005, 280, 1193-1198.	1.6	75
67	TPR proteins: the versatile helix. <i>Trends in Biochemical Sciences</i> , 2003, 28, 655-662.	3.7	994
68	Miniaturized hemoproteins. <i>Biopolymers</i> , 1998, 47, 5-22.	1.2	32
69	A novel super-potent neurokinin A receptor antagonist containing dehydroalanine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998, 8, 1153-1156.	1.0	10
70	Solution conformational preferences of a peptidic analogue of a natural macrolide. , 1997, 42, 349-361.		0