Flavio Curnis

List of Publications by Year
in descending order

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82	4,246	101384	110170
papers	citations	36 h-index	64 g-index

87	87	87	4122
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Novel RGD-4C-Saporin Conjugate Inhibits Tumor Growth in Mouse Models of Bladder Cancer. Frontiers in Oncology, 2022, 12, 846958.	1.3	3
2	Targeting the Bloodâ€“Brain Tumor Barrier with Tumor Necrosis Factor-Î±. Pharmaceutics, 2022, 14, 1414.	2.0	4
3	Nanogold Functionalized With Lipoamide-isoDGR: A Simple, Robust and Versatile Nanosystem for Î±vÎ²3-Integrin Targeting. Frontiers in Chemistry, 2021, 9, 690357.	1.8	2
4	Enhancement of doxorubicin anti-cancer activity by vascular targeting using IsoDGR/cytokine-coated nanogold. Journal of Nanobiotechnology, 2021, 19, 128.	4.2	13
5	Oxidized/deamidated-ceruloplasmin dysregulates choroid plexus epithelial cells functionality and barrier properties via RGD-recognizing integrin binding. Neurobiology of Disease, 2021, 158, 105474.	2.1	2
6	Ceruloplasmin oxidized and deamidated by Parkinson's disease cerebrospinal fluid induces epithelial cells proliferation arrest and apoptosis. Scientific Reports, 2020, 10, 15507.	1.6	7
7	NGR-TNF Engineering with an N-Terminal Serine Reduces Degradation and Post-Translational Modifications and Improves Its Tumor-Targeting Activity. Molecular Pharmaceutics, 2020, 17, 3813-3824.	2.3	6
8	Improving the antitumor activity of R-CHOP with NGR-hTNF in primary CNS lymphoma: final results of a phase 2 trial. Blood Advances, 2020, 4, 3648-3658.	2.5	24
9	Circulating Chromogranin A Is Cleaved Into Vasoregulatory Fragments in Patients With Pancreatic Ductal Adenocarcinoma. Frontiers in Oncology, 2020, 10, 613582.	1.3	2
10	Boosting Interleukinâ€12 Antitumor Activity and Synergism with Immunotherapy by Targeted Delivery with isoDGRâ€Tagged Nanogold. Small, 2019, 15, e1903462.	5.2	21
11	Overcoming Biological Barriers in Neuroblastoma Therapy: The Vascular Targeting Approach with Liposomal Drug Nanocarriers. Small, 2019, 15, e1804591.	5.2	34
12	R-CHOP preceded by blood-brain barrier permeabilization with engineered tumor necrosis factor-Î± in primary CNS lymphoma. Blood, 2019, 134, 252-262.	0.6	43
13	Spatiotemporal Regulation of Tumor Angiogenesis by Circulating Chromogranin A Cleavage and Neuropilin-1 Engagement. Cancer Research, 2019, 79, 1925-1937.	0.4	9
14	The Importance of Detail: How Differences in Ligand Structures Determine Distinct Functional Responses in Integrin Î± v Î² 3. Chemistry - A European Journal, 2019, 25, 5959-5970.	1.7	10
15	A stapled chromogranin A-derived peptide is a potent dual ligand for integrins Î±vÎ²6 and Î±vÎ²8. Chemical Communications, 2019, 55, 14777-14780.	2.2	5
16	Targeting Tumor Vasculature with TNF Leads Effector T Cells to the Tumor and Enhances Therapeutic Efficacy of Immune Checkpoint Blockers in Combination with Adoptive Cell Therapy. Clinical Cancer Research, 2018, 24, 2171-2181.	3.2	40
17	Enhancement of Tumor Homing by Chemotherapyâ€Loaded Nanoparticles. Small, 2018, 14, e1802886.	5.2	23
18	A critical assessment of force field accuracy against NMR data for cyclic peptides containing Î²-amino acids. Physical Chemistry Chemical Physics, 2018, 20, 15807-15816.	1.3	9

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19	Succinimide-Based Conjugates Improve IsoDGR Cyclopeptide Affinity to Î±_vÎ²₃ without Promoting Integrin Allosteric Activation. Journal of Medicinal Chemistry, 2018, 61, 7474-7485.	2.9	19
20	Abstract 3879: Enhancement of tumor penetration by drug-loaded nanoparticles: An innovative targeted strategy for neuroblastoma. , 2018, , .		0
21	Targeting CD13 with Asn-Gly-Arg (NGR) Peptide-Drug Conjugates. , 2017, , 101-122.		5
22	Glycine Nâ€Methylation in NGRâ€Tagged Nanocarriers Prevents Isoaspartate Formation and Integrin Binding without Impairing CD13 Recognition and Tumor Homing. Advanced Functional Materials, 2017, 27, 1701245.	7.8	19
23	Chromogranin A in Endothelial Homeostasis and Angiogenesis. UNIPA Springer Series, 2017, , 83-98.	0.1	0
24	T Cells Redirected to a Minor Histocompatibility Antigen Instruct Intratumoral TNFÎ± Expression and Empower Adoptive Cell Therapy for Solid Tumors. Cancer Research, 2017, 77, 658-671.	0.4	30
25	Abstract 5130: Tumor-penetrating peptide-coated nanoparticles as a novel strategy for the targeted therapy of neuroblastoma. , 2017, , .		0
26	Chromogranin A Is Preferentially Cleaved into Proangiogenic Peptides in the Bone Marrow of Multiple Myeloma Patients. Cancer Research, 2016, 76, 1781-1791.	0.4	24
27	NGR-tagged nano-gold: A new CD13-selective carrier for cytokine delivery to tumors. Nano Research, 2016, 9, 1393-1408.	5.8	48
28	Regulation of tumor growth by circulating full-length chromogranin A. Oncotarget, 2016, 7, 72716-72732.	0.8	18
29	Ceruloplasmin functional changes in Parkinsonâ€™s disease-cerebrospinal fluid. Molecular Neurodegeneration, 2015, 10, 59.	4.4	35
30	Neuroblastoma-targeted nanocarriers improve drug delivery and penetration, delay tumor growth and abrogate metastatic diffusion. Biomaterials, 2015, 68, 89-99.	5.7	36
31	Abstract 4387: Anti-tumor activity of TNF-gold nanodrugs tagged with tumor vasculature-homing peptides containing the NGR or isoDGR motives. Cancer Research, 2015, 75, 4387-4387.	0.4	3
32	Oxidation-induced Structural Changes of Ceruloplasmin Foster NGR Motif Deamidation That Promotes Integrin Binding and Signaling. Journal of Biological Chemistry, 2014, 289, 3736-3748.	1.6	28
33	Abstract 1778: Characterization and anti-tumor functionality of a neuroblastoma-specific peptide, either free or conjugated to nanocarriers. , 2014, , .		0
34	Peptide-Mediated Targeting of Cytokines to Tumor Vasculature: The NGR-hTNF Example. BioDrugs, 2013, 27, 591-603.	2.2	63
35	Novel phage display-derived neuroblastoma-targeting peptides potentiate the effect of drug nanocarriers in preclinical settings. Journal of Controlled Release, 2013, 170, 233-241.	4.8	41
36	A new chromogranin Aâ€“dependent angiogenic switch activated by thrombin. Blood, 2013, 121, 392-402.	0.6	68

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37	Selective Imaging of the Angiogenic Relevant Integrins Î±5Î²1 and Î±vÎ²3. Angewandte Chemie - International Edition, 2013, 52, 11656-11659.	7.2	43
38	IsoDGRâ€Tagged Albumin: A New Î±vÎ²3 Selective Carrier for Nanodrug Delivery to Tumors. Small, 2013, 9, 673-678.	5.2	33
39	Abstract 5620: Novel phage display-derived neuroblastoma-targeting peptides potentiate the effect of drug nanocarriers in preclinical settings.. , 2013, , .		0
40	Abstract 5617: A new alphaV/beta3 integrin selective carrier for nanodrug delivery to tumors based on isoDGR-tagged albumin.. , 2013, , .		0
41	Targeting TNF-Î± to Neoangiogenic Vessels Enhances Lymphocyte Infiltration in Tumors and Increases the Therapeutic Potential of Immunotherapy. Journal of Immunology, 2012, 188, 2687-2694.	0.4	128
42	Chromogranin A binds to Î±vÎ²6-integrin and promotes wound healing in mice. Cellular and Molecular Life Sciences, 2012, 69, 2791-2803.	2.4	17
43	Targeted Drug Delivery and Penetration Into Solid Tumors. Medicinal Research Reviews, 2012, 32, 1078-1091.	5.0	108
44	Tumor Vasculature Targeting Through NGR Peptide-Based Drug Delivery Systems. Current Pharmaceutical Biotechnology, 2011, 12, 1128-1134.	0.9	62
45	Isoaspartate-dependent molecular switches for integrinâ€“ligand recognition. Journal of Cell Science, 2011, 124, 515-522.	1.2	75
46	Chromogranin A Restricts Drug Penetration and Limits the Ability of NGR-TNF to Enhance Chemotherapeutic Efficacy. Cancer Research, 2011, 71, 5881-5890.	0.4	23
47	Abstract 426: The molecular microenvironment critically affects the formation of isoDGR-dependent integrin binding sites in fibronectin. , 2011, , .		0
48	Abstract 3625: Novel phage-display derived peptides for tumor- and vasculature-targeted therapies in neuroblastoma. , 2011, , .		0
49	Role of vasostatin-1 C-terminal region in fibroblast cell adhesion. Cellular and Molecular Life Sciences, 2010, 67, 2107-2118.	2.4	16
50	Combined targeting of perivascular and endothelial tumor cells enhances anti-tumor efficacy of liposomal chemotherapy in neuroblastoma. Journal of Controlled Release, 2010, 145, 66-73.	4.8	78
51	Critical Role of Flanking Residues in NGR-to-isoDGR Transition and CD13/Integrin Receptor Switching. Journal of Biological Chemistry, 2010, 285, 9114-9123.	1.6	77
52	Abstract 1453: Effect of systemic administration of chromogranin A on tumor metastatization in animal models. , 2010, , .		0
53	Structural Basis for the Interaction of isoDGR with the RGD-binding Site of Î±vÎ²3 Integrin. Journal of Biological Chemistry, 2008, 283, 19757-19768.	1.6	93
54	Synergistic Damage of Tumor Vessels with Ultra Low-Dose Endothelial-Monocyte Activating Polypeptide-II and Neovasculature-Targeted Tumor Necrosis Factor-Î±. Cancer Research, 2008, 68, 1154-1161.	0.4	45

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55	Critical role of indoleamine 2,3-dioxygenase in tumor resistance to repeated treatments with targeted IFNÂ. Molecular Cancer Therapeutics, 2008, 7, 3859-3866.	1.9	25
56	Isoaspartate-Glycine-Arginine: A New Tumor Vasculatureâ€“Targeting Motif. Cancer Research, 2008, 68, 7073-7082.	0.4	71
57	The neovasculature homing motif NGR: more than meets the eye. Blood, 2008, 112, 2628-2635.	0.6	181
58	Myocardial production of chromogranin A in human heart: a new regulatory peptide of cardiac function. European Heart Journal, 2007, 28, 1117-1127.	1.0	160
59	Immunogenic and structural properties of the Asn-Gly-Arg (NGR) tumor neovasculature-homing motif. Molecular Immunology, 2006, 43, 1509-1518.	1.0	49
60	Synergistic Antitumor Activity of Cisplatin, Paclitaxel, and Gemcitabine with Tumor Vasculature-Targeted Tumor Necrosis Factor-Î±. Clinical Cancer Research, 2006, 12, 175-182.	3.2	141
61	Spontaneous Formation of L-Isoaspartate and Gain of Function in Fibronectin. Journal of Biological Chemistry, 2006, 281, 36466-36476.	1.6	176
62	Targeted Delivery of IFNÎ³ to Tumor Vessels Uncouples Antitumor from Counterregulatory Mechanisms. Cancer Research, 2005, 65, 2906-2913.	0.4	87
63	Chromogranin A protects vessels against tumor necrosis factor Î±â€induced vascular leakage. FASEB Journal, 2004, 18, 554-556.	0.2	102
64	Coupling Tumor Necrosis Factor-Î± with Î±V Integrin Ligands Improves Its Antineoplastic Activity. Cancer Research, 2004, 64, 565-571.	0.4	134
65	Production and Characterization of Recombinant Human and Murine TNF. , 2004, 98, 009-022.		7
66	Crucial Role for Interferon Î³ in the Synergism between Tumor Vasculature-Targeted Tumor Necrosis Factor Î± (NGR-TNF) and Doxorubicin. Cancer Research, 2004, 64, 7150-7155.	0.4	66
67	Cleavage of Chromogranin A N-terminal Domain by Plasmin Provides a New Mechanism for Regulating Cell Adhesion. Journal of Biological Chemistry, 2002, 277, 45911-45919.	1.6	32
68	Structure-Activity Relationships of Linear and Cyclic Peptides Containing the NGR Tumor-homing Motif. Journal of Biological Chemistry, 2002, 277, 47891-47897.	1.6	159
69	Regulation of Endothelial Cell Shape and Barrier Function by Chromogranin A. Annals of the New York Academy of Sciences, 2002, 971, 355-358.	1.8	31
70	Improving chemotherapeutic drug penetration in tumors by vascular targeting and barrier alteration. Journal of Clinical Investigation, 2002, 110, 475-482.	3.9	206
71	Improving chemotherapeutic drug penetration in tumors by vascular targeting and barrier alteration. Journal of Clinical Investigation, 2002, 110, 475-482.	3.9	111
72	Differential binding of drugs containing the NGR motif to CD13 isoforms in tumor vessels, epithelia, and myeloid cells. Cancer Research, 2002, 62, 867-74.	0.4	217

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73	Chromogranin A expression in neoplastic cells affects tumor growth and morphogenesis in mouse models. Cancer Research, 2002, 62, 941-6.	0.4	39
74	Roles of tumor necrosis factor p55 and p75 receptors in TNF-Î±-induced vascular permeability. American Journal of Physiology - Cell Physiology, 2001, 281, C1173-C1179.	2.1	80
75	Biotinylation Sites of Tumor Necrosis Factor-Î± Determined by Liquid Chromatographyâ€“Mass Spectrometry. Analytical Biochemistry, 2001, 298, 181-188.	1.1	8
76	Structure-Activity Relationships of Chromogranin A in Cell Adhesion. Journal of Biological Chemistry, 2000, 275, 29257-29263.	1.6	70
77	Enhancement of tumor necrosis factor Î± antitumor immunotherapeutic properties by targeted delivery to aminopeptidase N (CD13). Nature Biotechnology, 2000, 18, 1185-1190.	9.4	403
78	Caspase inhibition reveals functional cooperation between p55- and p75-TNF receptors in cell necrosis. European Cytokine Network, 2000, 11, 580-8.	1.1	13
79	Tumor pretargeting with avidin improves the therapeutic index of biotinylated tumor necrosis factor alpha in mouse models. Cancer Research, 1999, 59, 2917-23.	0.4	46
80	Biochemical characterization and crystal structure of a recombinant hen avidin and its acidic mutant expressed in Escherichia coli. FEBS Journal, 1998, 256, 453-460.	0.2	36
81	Tumor targeting with biotinylated tumor necrosis factor alpha: structure-activity relationships and mechanism of action on avidin pretargeted tumor cells. Cancer Research, 1998, 58, 3866-72.	0.4	18
82	Production and Structure Characterization of Recombinant Chromogranin A N-Terminal Fragments (Vasostatins). Evidence of Dimmer-Monomer Equilibria. FEBS Journal, 1997, 248, 692-699.	0.2	44