

Mikhail G Kolonin

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

8,672
citations

81839

39
h-index

45285

90
g-index

101
all docs

101
docs citations

101
times ranked

11926
citing authors

#	ARTICLE	IF	CITATIONS
1	A framework for advancing our understanding of cancer-associated fibroblasts. <i>Nature Reviews Cancer</i> , 2020, 20, 174-186.	12.8	2,012
2	A Population of Multipotent CD34-Positive Adipose Stromal Cells Share Pericyte and Mesenchymal Surface Markers, Reside in a Periendothelial Location, and Stabilize Endothelial Networks. <i>Circulation Research</i> , 2008, 102, 77-85.	2.0	762
3	Steps toward mapping the human vasculature by phage display. <i>Nature Medicine</i> , 2002, 8, 121-127.	15.2	557
4	Reversal of obesity by targeted ablation of adipose tissue. <i>Nature Medicine</i> , 2004, 10, 625-632.	15.2	523
5	White Adipose Tissue Cells Are Recruited by Experimental Tumors and Promote Cancer Progression in Mouse Models. <i>Cancer Research</i> , 2009, 69, 5259-5266.	0.4	294
6	Cancer as a Matter of Fat: The Crosstalk between Adipose Tissue and Tumors. <i>Trends in Cancer</i> , 2018, 4, 374-384.	3.8	286
7	PRUNE2 is a human prostate cancer suppressor regulated by the intronic long noncoding RNA <i>PCA3</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8403-8408.	3.3	226
8	Display technologies: Application for the discovery of drug and gene delivery agents. <i>Advanced Drug Delivery Reviews</i> , 2006, 58, 1622-1654.	6.6	216
9	Stromal Progenitor Cells from Endogenous Adipose Tissue Contribute to Pericytes and Adipocytes That Populate the Tumor Microenvironment. <i>Cancer Research</i> , 2012, 72, 5198-5208.	0.4	183
10	An Isoform of Decorin Is a Resistin Receptor on the Surface of Adipose Progenitor Cells. <i>Cell Stem Cell</i> , 2011, 9, 74-86.	5.2	178
11	Omental Adipose Tissue-Derived Stromal Cells Promote Vascularization and Growth of Endometrial Tumors. <i>Clinical Cancer Research</i> , 2012, 18, 771-782.	3.2	151
12	Adipose Tissue Engineering in Three-Dimensional Levitation Tissue Culture System Based on Magnetic Nanoparticles. <i>Tissue Engineering - Part C: Methods</i> , 2013, 19, 336-344.	1.1	141
13	Molecular addresses in blood vessels as targets for therapy. <i>Current Opinion in Chemical Biology</i> , 2001, 5, 308-313.	2.8	123
14	Synchronous selection of homing peptides for multiple tissues by in vivo phage display. <i>FASEB Journal</i> , 2006, 20, 979-981.	0.2	118
15	CXCL1 mediates obesity-associated adipose stromal cell trafficking and function in the tumour microenvironment. <i>Nature Communications</i> , 2016, 7, 11674.	5.8	118
16	Cooperative effects of aminopeptidase N (CD13) expressed by nonmalignant and cancer cells within the tumor microenvironment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1637-1642.	3.3	111
17	Influence of BMI on Level of Circulating Progenitor Cells. <i>Obesity</i> , 2011, 19, 1722-1726.	1.5	96
18	Targeting cyclin-dependent kinases in <i>Drosophila</i> with peptide aptamers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 14266-14271.	3.3	95

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19	Human Omental-Derived Adipose Stem Cells Increase Ovarian Cancer Proliferation, Migration, and Chemoresistance. <i>PLoS ONE</i> , 2013, 8, e81859.	1.1	95
20	Human and Mouse Brown Adipose Tissue Mitochondria Have Comparable UCP1 Function. <i>Cell Metabolism</i> , 2016, 24, 246-255.	7.2	93
21	A Peptidomimetic Targeting White Fat Causes Weight Loss and Improved Insulin Resistance in Obese Monkeys. <i>Science Translational Medicine</i> , 2011, 3, 108ra112.	5.8	80
22	Adipose tissue-derived progenitor cells and cancer. <i>World Journal of Stem Cells</i> , 2010, 2, 103.	1.3	78
23	Ligand-Directed Surface Profiling of Human Cancer Cells with Combinatorial Peptide Libraries. <i>Cancer Research</i> , 2006, 66, 34-40.	0.4	77
24	PDGFR α / PDGFR β signaling balance modulates progenitor cell differentiation into white and beige adipocytes. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	77
25	Proinflammatory CXCL12 α –CXCR4/CXCR7 Signaling Axis Drives Myc-Induced Prostate Cancer in Obese Mice. <i>Cancer Research</i> , 2017, 77, 5158-5168.	0.4	77
26	Incompatibility of the circadian protein BMAL1 and HNF4 α in hepatocellular carcinoma. <i>Nature Communications</i> , 2018, 9, 4349.	5.8	76
27	Circulation of Progenitor Cells in Obese and Lean Colorectal Cancer Patients. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2011, 20, 2461-2468.	1.1	72
28	Vascular ligand-receptor mapping by direct combinatorial selection in cancer patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18637-18642.	3.3	71
29	IFATS Collection: Combinatorial Peptides Identify α 5 β 1 Integrin as a Receptor for the Matricellular Protein SPARC on Adipose Stromal Cells. <i>Stem Cells</i> , 2008, 26, 2735-2745.	1.4	70
30	Vascular targeting of adipose tissue as an anti-obesity approach. <i>Trends in Pharmacological Sciences</i> , 2011, 32, 300-307.	4.0	68
31	Adipose stromal cell targeting suppresses prostate cancer epithelial-mesenchymal transition and chemoresistance. <i>Oncogene</i> , 2019, 38, 1979-1988.	2.6	63
32	Alternative origins of stroma in normal organs and disease. <i>Stem Cell Research</i> , 2012, 8, 312-323.	0.3	57
33	[3] Interaction mating methods in two-hybrid systems. <i>Methods in Enzymology</i> , 2000, 328, 26-46.	0.4	56
34	Critical Role of Matrix Metalloproteinase 14 in Adipose Tissue Remodeling during Obesity. <i>Molecular and Cellular Biology</i> , 2020, 40, .	1.1	56
35	A peptide probe for targeted brown adipose tissue imaging. <i>Nature Communications</i> , 2013, 4, 2472.	5.8	55
36	Depletion of white adipocyte progenitors induces beige adipocyte differentiation and suppresses obesity development. <i>Cell Death and Differentiation</i> , 2015, 22, 351-363.	5.0	53

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37	Combinatorial treatment with natural compounds in prostate cancer inhibits prostate tumor growth and leads to key modulations of cancer cell metabolism. <i>Npj Precision Oncology</i> , 2017, 1, .	2.3	52
38	Prohibitin/annexin 2 interaction regulates fatty acid transport in adipose tissue. <i>JCI Insight</i> , 2016, 1, .	2.3	51
39	Body composition and breast cancer risk and treatment: mechanisms and impact. <i>Breast Cancer Research and Treatment</i> , 2021, 186, 273-283.	1.1	47
40	Adipose tissue cells, lipotransfer and cancer: A challenge for scientists, oncologists and surgeons. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2012, 1826, 209-214.	3.3	45
41	A Role for Cyclin J in the Rapid Nuclear Division Cycles of Early <i>Drosophila</i> Embryogenesis. <i>Developmental Biology</i> , 2000, 227, 661-672.	0.9	43
42	Combinatorial stem cell mobilization. <i>Nature Biotechnology</i> , 2009, 27, 252-253.	9.4	39
43	Divergent functions of endotrophin on different cell populations in adipose tissue. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E952-E963.	1.8	39
44	Age-associated telomere attrition in adipocyte progenitors predisposes to metabolic disease. <i>Nature Metabolism</i> , 2020, 2, 1482-1497.	5.1	39
45	Intracellular targeting of annexin A2 inhibits tumor cell adhesion, migration, and in vivo grafting. <i>Scientific Reports</i> , 2017, 7, 4243.	1.6	38
46	Electroacupuncture Promotes Central Nervous System-Dependent Release of Mesenchymal Stem Cells. <i>Stem Cells</i> , 2017, 35, 1303-1315.	1.4	37
47	Teratogenicity induced by targeting a placental immunoglobulin transporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 13055-13060.	3.3	35
48	Stromal Cells Derived from Visceral and Obese Adipose Tissue Promote Growth of Ovarian Cancers. <i>PLoS ONE</i> , 2015, 10, e0136361.	1.1	35
49	Targeted Proapoptotic Peptides Depleting Adipose Stromal Cells Inhibit Tumor Growth. <i>Molecular Therapy</i> , 2016, 24, 34-40.	3.7	35
50	Fatty acid mobilization from adipose tissue is mediated by CD36 posttranslational modifications and intracellular trafficking. <i>JCI Insight</i> , 2021, 6, .	2.3	34
51	Treatment of obesity as a potential complementary approach to cancer therapy. <i>Drug Discovery Today</i> , 2013, 18, 567-573.	3.2	33
52	A Ligand Peptide Motif Selected from a Cancer Patient Is a Receptor-Interacting Site within Human Interleukin-11. <i>PLoS ONE</i> , 2008, 3, e3452.	1.1	31
53	Interaction between Tumor Cell Surface Receptor RAGE and Proteinase 3 Mediates Prostate Cancer Metastasis to Bone. <i>Cancer Research</i> , 2017, 77, 3144-3150.	0.4	31
54	Transient Overexpression of Vascular Endothelial Growth Factor A in Adipose Tissue Promotes Energy Expenditure via Activation of the Sympathetic Nervous System. <i>Molecular and Cellular Biology</i> , 2018, 38, .	1.1	31

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55	CRISPR/Cas9-Based Dystrophin Restoration Reveals a Novel Role for Dystrophin in Bioenergetics and Stress Resistance of Muscle Progenitors. <i>Stem Cells</i> , 2019, 37, 1615-1628.	1.4	30
56	Browning white adipose tissue using adipose stromal cell-targeted resveratrol-loaded nanoparticles for combating obesity. <i>Journal of Controlled Release</i> , 2021, 333, 339-351.	4.8	28
57	Adipose Stromal Cell Expansion and Exhaustion: Mechanisms and Consequences. <i>Cells</i> , 2020, 9, 863.	1.8	26
58	Interaction Trap/Two-Hybrid System to Identify Interacting Proteins. <i>Current Protocols in Cell Biology</i> , 2011, 53, Unit 17.3..	2.3	25
59	Proteolytic Isoforms of SPARC Induce Adipose Stromal Cell Mobilization in Obesity. <i>Stem Cells</i> , 2016, 34, 174-190.	1.4	24
60	Non-glycanated Decorin Is a Drug Target on Human Adipose Stromal Cells. <i>Molecular Therapy - Oncolytics</i> , 2017, 6, 1-9.	2.0	24
61	HNF4 α -Deficient Fatty Liver Provides a Permissive Environment for Sex-Independent Hepatocellular Carcinoma. <i>Cancer Research</i> , 2019, 79, 5860-5873.	0.4	23
62	Interaction Trap/Two-Hybrid System to Identify Interacting Proteins. <i>Current Protocols in Molecular Biology</i> , 2008, 82, Unit 20.1.	2.9	20
63	Interaction Trap/Two-Hybrid System to Identify Interacting Proteins. <i>Current Protocols in Neuroscience</i> , 2011, 55, Unit 4.4.	2.6	20
64	Transient inflammatory signaling promotes beige adipogenesis. <i>Science Signaling</i> , 2018, 11, .	1.6	18
65	Cellular and physiological circadian mechanisms drive diurnal cell proliferation and expansion of white adipose tissue. <i>Nature Communications</i> , 2021, 12, 3482.	5.8	18
66	Evaluation of Cell Function Upon Nanovector Internalization. <i>Small</i> , 2013, 9, 1696-1702.	5.2	17
67	Heterogeneity and immunophenotypic plasticity of malignant cells in human liposarcomas. <i>Stem Cell Research</i> , 2013, 11, 772-781.	0.3	16
68	Obesity, proinflammatory mediators, adipose tissue progenitors, and breast cancer. <i>Current Opinion in Oncology</i> , 2014, 26, 545-550.	1.1	15
69	Three-Dimensional Magnetic Levitation Culture System Simulating White Adipose Tissue. <i>Methods in Molecular Biology</i> , 2018, 1773, 147-154.	0.4	15
70	Progression of prostate carcinoma is promoted by adipose stromal cell-secreted CXCL12 signaling in prostate epithelium. <i>Npj Precision Oncology</i> , 2021, 5, 26.	2.3	15
71	Ablation of Stromal Cells with a Targeted Proapoptotic Peptide Suppresses Cancer Chemotherapy Resistance and Metastasis. <i>Molecular Therapy - Oncolytics</i> , 2020, 18, 579-586.	2.0	13
72	Prohibitin Inactivation in Adipocytes Results in Reduced Lipid Metabolism and Adaptive Thermogenesis Impairment. <i>Diabetes</i> , 2021, 70, 2204-2212.	0.3	13

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73	Progenitor Cell Mobilization from Extramedullary Organs. <i>Methods in Molecular Biology</i> , 2012, 904, 243-252.	0.4	12
74	Interaction Trap/Twoâ€Hybrid System to Identify Interacting Proteins. <i>Current Protocols in Molecular Biology</i> , 1999, 46, Unit 20.1.	2.9	11
75	Interaction Trap/Twoâ€Hybrid System to Identify Interacting Proteins. <i>Current Protocols in Cell Biology</i> , 2000, 8, Unit 17.3.	2.3	11
76	Cytokine signaling regulating adipose stromal cell trafficking. <i>Adipocyte</i> , 2016, 5, 369-374.	1.3	11
77	Glycosaminoglycan Modification of Decorin Depends on MMP14 Activity and Regulates Collagen Assembly. <i>Cells</i> , 2020, 9, 2646.	1.8	11
78	Interaction Trap/Twoâ€Hybrid System to Identify Interacting Proteins. <i>Current Protocols in Protein Science</i> , 1998, 14, Unit19.2.	2.8	9
79	Tissue-Specific Targeting Based on Markers Expressed Outside Endothelial Cells. <i>Advances in Genetics</i> , 2009, 67, 61-102.	0.8	9
80	Interaction Trap/Twoâ€Hybrid System to Identify Interacting Proteins. <i>Current Protocols in Protein Science</i> , 2009, 57, Unit19.2.	2.8	8
81	The role of adipose stroma in prostate cancer aggressiveness. <i>Translational Andrology and Urology</i> , 2019, 8, S348-S350.	0.6	8
82	Endothelial Prohibitin Mediates Bidirectional Long-Chain Fatty Acid Transport in White and Brown Adipose Tissues. <i>Diabetes</i> , 2022, 71, 1400-1409.	0.3	7
83	Endothelial TrkA coordinates vascularization and innervation in thermogenic adipose tissue and can be targeted to control metabolism. <i>Molecular Metabolism</i> , 2022, 63, 101544.	3.0	7
84	Semiparametric Bayesian Inference for Phage Display Data. <i>Biometrics</i> , 2013, 69, 174-183.	0.8	6
85	PAI-1-Dependent Inactivation of SMAD4-Modulated Junction and Adhesion Complex in Obese Endometrial Cancer. <i>Cell Reports</i> , 2020, 33, 108253.	2.9	6
86	How brown is brown fat that we can see?. <i>Adipocyte</i> , 2014, 3, 155-159.	1.3	5
87	Bayesian mixture models for complex high dimensional count data in phage display experiments. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2007, 56, 139-152.	0.5	4
88	Bad Cholesterol Uptake by CD36 in T-Cells Cripples Anti-Tumor Immune Response. <i>Immunometabolism</i> , 2021, 3, .	0.7	4
89	Role of Adipose Cells in Tumor Microenvironment. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2013, , 271-294.	0.7	3
90	Synthetic polypeptide crotamine: characterization as a myotoxin and as a target of combinatorial peptides. <i>Journal of Molecular Medicine</i> , 2022, 100, 65-76.	1.7	3

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91	Partial Ablation of Non-Myogenic Progenitor Cells as a Therapeutic Approach to Duchenne Muscular Dystrophy. <i>Biomolecules</i> , 2021, 11, 1519.	1.8	3
92	Neutrophil-Secreted Proteinase 3 Mediates Metastasis of Prostate Cancer Cells Expressing RAGE to the Bone Marrow. <i>Blood</i> , 2016, 128, 1025-1025.	0.6	1
93	Characterization of Peptides Targeting Metastatic Tumor Cells as Probes for Cancer Detection and Vehicles for Therapy Delivery. <i>Cancer Research</i> , 2021, 81, 5756-5764.	0.4	1
94	Chemotherapy Triggers T Cells to Remodel the Extracellular Matrix and Promote Metastasis. <i>Cancer Research</i> , 2022, 82, 197-198.	0.4	1
95	Response to Comment on "A Peptidomimetic Targeting White Fat Causes Weight Loss and Improved Insulin Resistance in Obese Monkeys". <i>Science Translational Medicine</i> , 2012, 4, .	5.8	0
96	Circulating Mesenchymal Stromal Cells As a New Prospective Cancer Marker,. <i>Blood</i> , 2011, 118, 3404-3404.	0.6	0
97	Adipose Tissue-Derived Progenitor Cells and Cancer. , 2013, , 321-337.		0
98	Vascular Targeting of Adipose Tissue. , 2013, , 381-400.		0
99	Depletion of white adipocyte progenitors suppresses obesity development (LB763). <i>FASEB Journal</i> , 2014, 28, LB763.	0.2	0