

# Ruowen Ge

## List of Publications by Year in descending order

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87  
papers

3,876  
citations

126907

33  
h-index

128289

60  
g-index

89  
all docs

89  
docs citations

89  
times ranked

5032  
citing authors

#	ARTICLE	IF	CITATIONS
1	ISM1 protects lung homeostasis via cell-surface GRP78-mediated alveolar macrophage apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	26
2	Cell surface nucleolin is a novel ADAMTS5 receptor mediating endothelial cell apoptosis. Cell Death and Disease, 2022, 13, 172.	6.3	7
3	ISM1 suppresses LPS-induced acute lung injury and post-injury lung fibrosis in mice. Molecular Medicine, 2022, 28, .	4.4	10
4	Developing inhaled protein therapeutics for lung diseases. Molecular Biomedicine, 2020, 1, 11.	4.4	45
5	Discovery of small molecules targeting GRP78 for antiangiogenic and anticancer therapy. European Journal of Medicinal Chemistry, 2020, 193, 112228.	5.5	10
6	Cell Surface GRP78 as a Death Receptor and an Anticancer Drug Target. Cancers, 2019, 11, 1787.	3.7	36
7	Angio-3, a 10-residue peptide derived from human plasminogen kringle 3, suppresses tumor growth in mice via impeding both angiogenesis and vascular permeability. Angiogenesis, 2018, 21, 653-665.	7.2	15
8	Extracellular vesicle-carried Jagged-1 inhibits HUVEC sprouting in a 3D microenvironment. Angiogenesis, 2018, 21, 571-580.	7.2	16
9	Extracellular anti-angiogenic proteins augment an endosomal protein trafficking pathway to reach mitochondria and execute apoptosis in HUVECs. Cell Death and Differentiation, 2018, 25, 1905-1920.	11.2	25
10	An Electromagnetic System for Inducing a Localized Force Gradient in an ECM and Its Influence on HMVEC Sprouting. SLAS Technology, 2018, 23, 70-82.	1.9	2
11	Efficient genome editing using CRISPR/Cas9 ribonucleoprotein approach in cultured medaka fish cells. Biology Open, 2018, 7, .	1.2	17
12	Recombinant TSR1 of ADAMTS5 Suppresses Melanoma Growth in Mice via an Anti-angiogenic Mechanism. Cancers, 2018, 10, 192.	3.7	20
13	Proapoptotic Cyclic Peptide BC71 Targets Cell-Surface GRP78 and Functions as an Anticancer Therapeutic in Mice. EBioMedicine, 2018, 33, 22-32.	6.1	32
14	A Magneto-Microfluidic System for Investigating the Influence of an Externally Induced Force Gradient in a Collagen Type I ECM on HMVEC Sprouting. SLAS Technology, 2017, 22, 413-424.	1.9	7
15	Regulation of expression of venom toxins: silencing of prothrombin activator trocarnin D by AGâ€œrich motifs. FASEB Journal, 2016, 30, 2411-2425.	0.5	9
16	Novel hydrogen sulfide-releasing compound, S-propargyl-cysteine, prevents STZ-induced diabetic nephropathy. Biochemical and Biophysical Research Communications, 2016, 473, 931-938.	2.1	41
17	Loss of ADAMTS4 reduces high fat diet-induced atherosclerosis and enhances plaque stability in ApoEâ€œ/â€œ mice. Scientific Reports, 2016, 6, 31130.	3.3	46
18	ZYZ451 protects cardiomyocytes from hypoxia-induced apoptosis via enhancing MnSOD and STAT3 interaction. Free Radical Biology and Medicine, 2016, 92, 1-14.	2.9	13

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19	Isthmin is a novel vascular permeability inducer that functions through cell-surface GRP78-mediated Src activation. <i>Cardiovascular Research</i> , 2015, 107, 131-142.	3.8	24
20	Speed optimization in automated microinjection of zebrafish embryos. <i>International Journal of Control, Automation and Systems</i> , 2015, 13, 1233-1241.	2.7	8
21	Novel endogenous angiogenesis inhibitors and their therapeutic potential. <i>Acta Pharmacologica Sinica</i> , 2015, 36, 1177-1190.	6.1	59
22	Gene Transfer and Genome-Wide Insertional Mutagenesis by Retroviral Transduction in Fish Stem Cells. <i>PLoS ONE</i> , 2015, 10, e0127961.	2.5	5
23	Abstract 3204: Tissue engineered models of metastatic bone disease for the study of prostate cancer cell dormancy. , 2015, , .		0
24	Insights into EPR Effect versus Lectin-mediated Targeted Delivery: Biodegradable Polycarbonate Micellar Nanoparticles with and without Galactose Surface Decoration. <i>Small</i> , 2014, 10, 4281-4286.	10.0	26
25	Isthmin targets cell-surface GRP78 and triggers apoptosis via induction of mitochondrial dysfunction. <i>Cell Death and Differentiation</i> , 2014, 21, 797-810.	11.2	61
26	Dll4-containing exosomes induce capillary sprout retraction in a 3D microenvironment. <i>Scientific Reports</i> , 2014, 4, 4031.	3.3	94
27	ADAMTS4 and its proteolytic fragments differentially affect melanoma growth and angiogenesis in mice. <i>International Journal of Cancer</i> , 2013, 133, 294-306.	5.1	39
28	Emerging Roles of ADAMTSs in Angiogenesis and Cancer. <i>Cancers</i> , 2012, 4, 1252-1299.	3.7	66
29	ADAMTS5 Functions as an Anti-Angiogenic and Anti-Tumorigenic Protein Independent of Its Proteoglycanase Activity. <i>American Journal of Pathology</i> , 2012, 181, 1056-1068.	3.8	65
30	Interordinal Chimera Formation Between Medaka and Zebrafish for Analyzing Stem Cell Differentiation. <i>Stem Cells and Development</i> , 2012, 21, 2333-2341.	2.1	27
31	Nascent vessel elongation rate is inversely related to diameter in in vitro angiogenesis. <i>Integrative Biology (United Kingdom)</i> , 2012, 4, 1081.	1.3	19
32	Mitf is a transcriptional activator of medaka germ genes in culture. <i>Biochimie</i> , 2012, 94, 759-767.	2.6	15
33	Exosomes in Cancer Microenvironment and Beyond: have we Overlooked these Extracellular Messengers?. <i>Cancer Microenvironment</i> , 2012, 5, 323-332.	3.1	128
34	Augmenter of Liver Regeneration (alr) Promotes Liver Outgrowth during Zebrafish Hepatogenesis. <i>PLoS ONE</i> , 2012, 7, e30835.	2.5	29
35	Medaka Cleavage Embryos Are Capable of Generating ES-Like Cell Cultures. <i>International Journal of Biological Sciences</i> , 2011, 7, 418-425.	6.4	15
36	Isthmin is a novel secreted angiogenesis inhibitor that inhibits tumour growth in mice. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 359-374.	3.6	59

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37	Nanoparticle based delivery of hypoxia-regulated VEGF transgene system combined with myoblast engraftment for myocardial repair. <i>Biomaterials</i> , 2011, 32, 2424-2431.	11.4	52
38	Isthmin exerts pro-survival and death-promoting effect on endothelial cells through alphavbeta5 integrin depending on its physical state. <i>Cell Death and Disease</i> , 2011, 2, e153-e153.	6.3	45
39	Identification of proteins differentially expressed between capillary endothelial cells of hepatocellular carcinoma and normal liver in an orthotopic rat tumor model using 2-D DIGE. <i>Proteomics</i> , 2010, 10, 224-234.	2.2	16
40	Therapeutic Angiogenesis for Coronary Artery Disease. <i>Journal of Cardiac Surgery</i> , 2010, 17, 350-354.	0.7	17
41	Mechanoinduction of reduction in the stiffness of zebrafish chorion. , 2010, , .		1
42	Speed optimization for micropipette motion during zebrafish embryo microinjection. , 2010, , .		1
43	Force control for mechanoinduction of impedance variation in cellular organisms. <i>Journal of Micromechanics and Microengineering</i> , 2010, 20, 025003.	2.6	7
44	The recruitment of blood coagulation factor X into snake venom gland as a toxin. <i>Thrombosis and Haemostasis</i> , 2009, 102, 469-478.	3.4	16
45	Models of maximum stress and strain of zebrafish embryos under indentation. <i>Journal of Biomechanics</i> , 2009, 42, 620-625.	2.1	17
46	Enhancement of bone formation by genetically-engineered bone marrow stromal cells expressing BMP-2, VEGF and angiopoietin-1. <i>Biotechnology Letters</i> , 2009, 31, 1183-1189.	2.2	27
47	Crystal structure of an avian influenza polymerase PAN reveals an endonuclease active site. <i>Nature</i> , 2009, 458, 909-913.	27.8	437
48	Pharmacologically induced angiogenesis in transgenic zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2009, 378, 766-771.	2.1	53
49	Crystal structure of the polymerase PACâ€‘PB1N complex from an avian influenza H5N1 virus. <i>Nature</i> , 2008, 454, 1123-1126.	27.8	248
50	Histone deacetylase 3 (hdac3) is specifically required for liver development in zebrafish. <i>Developmental Biology</i> , 2008, 317, 336-353.	2.0	112
51	Decorin derived antiangiogenic peptide LRR5 inhibits endothelial cell migration by interfering with VEGF-stimulated NO release. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 2120-2128.	2.8	16
52	The first but not the second thrombospondin type 1 repeat of ADAMTS5 functions as an angiogenesis inhibitor. <i>Biochemical and Biophysical Research Communications</i> , 2008, 371, 215-219.	2.1	32
53	A Micromanipulation System for Automatic Batch Microinjection. <i>Proceedings - IEEE International Conference on Robotics and Automation</i> , 2007, , .	0.0	6
54	Developing Antiangiogenic Peptide Drugs for Angiogenesis-Related Diseases. <i>Current Pharmaceutical Design</i> , 2007, 13, 2074-2086.	1.9	58

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55	Angiopoietin-1 for myocardial angiogenesis: A comparison between delivery strategies. <i>European Journal of Heart Failure</i> , 2007, 9, 458-465.	7.1	28
56	A micromanipulation system with dynamic force-feedback for automatic batch microinjection. <i>Journal of Micromechanics and Microengineering</i> , 2007, 17, 314-321.	2.6	167
57	Improved angiogenic response in pig heart following ischaemic injury using human skeletal myoblast simultaneously expressing VEGF165 and angiopoietin-1. <i>European Journal of Heart Failure</i> , 2007, 9, 15-22.	7.1	39
58	Transplantation of Nanoparticle Transfected Skeletal Myoblasts Overexpressing Vascular Endothelial Growth Factor-165 for Cardiac Repair. <i>Circulation</i> , 2007, 116, 1113-20.	1.6	79
59	Combining pharmacological mobilization with intramyocardial delivery of bone marrow cells over-expressing VEGF is more effective for cardiac repair. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 40, 736-745.	1.9	107
60	Angiopoietin-1 promotes functional neovascularization that relieves ischemia by improving regional reperfusion in a swine chronic myocardial ischemia model. <i>Journal of Biomedical Science</i> , 2006, 13, 579-591.	7.0	24
61	Measurement of cell motility on proton beam micromachined 3D scaffolds. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2005, 231, 413-418.	1.4	11
62	Reversal of myocardial injury using genetically modulated human skeletal myoblasts in a rodent cryoinjured heart model. <i>European Journal of Heart Failure</i> , 2005, 7, 945-952.	7.1	33
63	Peptides Derived from Human Decorin Leucine-rich Repeat 5 Inhibit Angiogenesis. <i>Journal of Biological Chemistry</i> , 2005, 280, 27935-27948.	3.4	69
64	In Vitro Functional Assessment of Human Skeletal Myoblasts After Transduction With Adenoviral Bicistronic Vector Carrying Human VEGF165 and Angiopoietin-1. <i>Journal of Heart and Lung Transplantation</i> , 2005, 24, 1393-1402.	0.6	20
65	Geometric Control of Fibroblast Growth on Proton Beam-Micromachined Scaffolds. <i>Tissue Engineering</i> , 2004, 10, 267-272.	4.6	28
66	Characterization of the zebrafish vascular endothelial growth factor A gene: comparison with vegf-A genes in mammals and Fugu. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2004, 1676, 33-40.	2.4	22
67	Angiomyogenesis for cardiac repair using human myoblasts as carriers of human vascular endothelial growth factor. <i>Journal of Molecular Medicine</i> , 2004, 82, 539-549.	3.9	84
68	Autologous skeletal myoblasts transduced with a new adenoviral bicistronic vector for treatment of hind limb ischemia. <i>Journal of Vascular Surgery</i> , 2004, 40, 774-785.	1.1	36
69	Cloning, characterisation and expression of <i>Aeromonas hydrophila</i> major adhesin. <i>Fish and Shellfish Immunology</i> , 2004, 16, 645-658.	3.6	84
70	High efficiency transduction of human VEGF165 into human skeletal myoblasts: in vitro studies. <i>Experimental and Molecular Medicine</i> , 2003, 35, 412-420.	7.7	9
71	Angiopoietin 1 Promotes Tumor Angiogenesis and Tumor Vessel Plasticity of Human Cervical Cancer in Mice. <i>Experimental Cell Research</i> , 2002, 279, 299-309.	2.6	86
72	Platelet-derived growth factor receptor alpha (pdgfr- $\alpha$ ) gene in zebrafish embryonic development. <i>Mechanisms of Development</i> , 2002, 116, 227-230.	1.7	30

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73	Platelet-derived growth factor A ( pdgf-a ) expression during zebrafish embryonic development. Development Genes and Evolution, 2002, 212, 298-301.	0.9	24
74	fgfr3 and regionalization of anterior neural tube in zebrafish. Mechanisms of Development, 2001, 102, 213-217.	1.7	52
75	The role of vascular endothelial growth factor (VEGF) in vasculogenesis, angiogenesis, and hematopoiesis in zebrafish development. Mechanisms of Development, 2001, 108, 29-43.	1.7	200
76	A small peptide derived from Flt-1 (VEGFR-1) functions as an angiogenic inhibitor. FEBS Letters, 2001, 494, 150-156.	2.8	31
77	Inhibition of angiopoietin-1 expression in tumor cells by an antisense RNA approach inhibited xenograft tumor growth in immunodeficient mice. International Journal of Cancer, 2001, 94, 6-15.	5.1	55
78	Enhancement of protective immunity in blue gourami, Trichogaster trichopterus (Pallas), against Aeromonas hydrophila and Vibrioanguillarum by A. hydrophila major adhesin. Journal of Fish Diseases, 2000, 23, 137-145.	1.9	38
79	Using the SMART <sup>TM</sup> cDNA System to Map the Transcription Initiation Site. BioTechniques, 2000, 28, 846-851.	1.8	9
80	Genetically manipulated animals and their use in experimental research. Annals of the Academy of Medicine, Singapore, 1999, 28, 560-4.	0.4	0
81	Cloning and characterization of two isoforms of the zebrafish thyrotroph embryonic factor (tefl± and Tj ETQq1 1 0,784314 rgBT /Ove	2.4	9
82	Cloning and characterization of vascular endothelial growth factor (VEGF) from zebrafish, Danio rerio. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1998, 1397, 14-20.	2.4	88
83	Isolation and characterization of fish <i>Aeromonas hydrophila</i> adhesins important for <i>in vitro</i> epithelial cell invasion. Journal of Fish Diseases, 1997, 20, 169-175.	1.9	20
84	E1A Oncogene of Adenovirus-12 Mediates Trans-repression of MHC Class I Transcription in Ad5/Ad12 Somatic Hybrid Transformed Cells. Virology, 1994, 203, 389-392.	2.4	18
85	Retinoid X receptor homodimers function as transcriptional activators in yeast. Gene, 1994, 145, 129-133.	2.2	17
86	Negative regulation by the R2 element of the MHC class I enhancer in adenovirus-12 transformed cells correlates with high levels of COUP-TF binding. Oncogene, 1994, 9, 2183-90.	5.9	33
87	An Adenovirus Recombinant that Expresses the Human Cytomegalovirus Major Envelope Glycoprotein and Induces Neutralizing Antibodies. Journal of Infectious Diseases, 1990, 162, 1177-1181.	4.0	49