

Ruey-Bing Yang

List of Publications by Year in descending order

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79
papers

9,494
citations

117625

34
h-index

71685

76
g-index

80
all docs

80
docs citations

80
times ranked

9107
citing authors

#	ARTICLE	IF	CITATIONS
1	Host Defense Mechanisms Triggered by Microbial Lipoproteins Through Toll-Like Receptors. <i>Science</i> , 1999, 285, 732-736.	12.6	1,506
2	Cell Activation and Apoptosis by Bacterial Lipoproteins Through Toll-like Receptor-2. <i>Science</i> , 1999, 285, 736-739.	12.6	1,364
3	Identification of the platelet ADP receptor targeted by antithrombotic drugs. <i>Nature</i> , 2001, 409, 202-207.	27.8	1,338
4	Toll-like receptor-2 mediates lipopolysaccharide-induced cellular signalling. <i>Nature</i> , 1998, 395, 284-288.	27.8	1,162
5	The apoptotic signaling pathway activated by Toll-like receptor-2. <i>EMBO Journal</i> , 2000, 19, 3325-3336.	7.8	439
6	A receptor guanylyl cyclase expressed specifically in olfactory sensory neurons.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 3571-3575.	7.1	269
7	Mutations in the Retinal Guanylate Cyclase (RETGC-1) Gene in Dominant Cone-Rod Dystrophy. <i>Human Molecular Genetics</i> , 1998, 7, 1179-1184.	2.9	232
8	Two membrane forms of guanylyl cyclase found in the eye.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 602-606.	7.1	231
9	Disruption of a Retinal Guanylyl Cyclase Gene Leads to Cone-Specific Dystrophy and Paradoxical Rod Behavior. <i>Journal of Neuroscience</i> , 1999, 19, 5889-5897.	3.6	182
10	FUT8 promotes breast cancer cell invasiveness by remodeling TGF- β 2 receptor core fucosylation. <i>Breast Cancer Research</i> , 2017, 19, 111.	5.0	146
11	PSPC1 mediates TGF- β 1 autocrine signalling and Smad2/3 target switching to promote EMT, stemness and metastasis. <i>Nature Cell Biology</i> , 2018, 20, 479-491.	10.3	141
12	Identification of a Novel Family of Cell-surface Proteins Expressed in Human Vascular Endothelium. <i>Journal of Biological Chemistry</i> , 2002, 277, 46364-46373.	3.4	136
13	Two Eye Guanylyl Cyclases Are Expressed in the Same Photoreceptor Cells and Form Homomers in Preference to Heteromers. <i>Journal of Biological Chemistry</i> , 1997, 272, 13738-13742.	3.4	121
14	Gene expression profile of human endothelial cells exposed to sustained fluid shear stress. <i>Physiological Genomics</i> , 2002, 12, 13-23.	2.3	111
15	Flow Loading Induces Macrophage Antioxidative Gene Expression in Experimental Aneurysms. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 2017-2022.	2.4	98
16	Plasma Concentration of SCUBE1, a Novel Platelet Protein, Is Elevated in Patients With Acute Coronary Syndrome and Ischemic Stroke. <i>Journal of the American College of Cardiology</i> , 2008, 51, 2173-2180.	2.8	95
17	Domain and Functional Analysis of a Novel Platelet-Endothelial Cell Surface Protein, SCUBE1. <i>Journal of Biological Chemistry</i> , 2008, 283, 12478-12488.	3.4	90
18	A Novel Interleukin-17 Receptor-like Protein Identified in Human Umbilical Vein Endothelial Cells Antagonizes Basic Fibroblast Growth Factor-induced Signaling. <i>Journal of Biological Chemistry</i> , 2003, 278, 33232-33238.	3.4	89

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19	Localization and characterization of a novel secreted protein SCUBE1 in human platelets. <i>Cardiovascular Research</i> , 2006, 71, 486-495.	3.8	87
20	ATF3-Mediated Epigenetic Regulation Protects against Acute Kidney Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 1003-1013.	6.1	87
21	SCUBE3 is an endogenous TGF- β 2 receptor ligand and regulates the epithelial-mesenchymal transition in lung cancer. <i>Oncogene</i> , 2011, 30, 3682-3693.	5.9	85
22	A Novel Secreted, Cell-surface Glycoprotein Containing Multiple Epidermal Growth Factor-like Repeats and One CUB Domain Is Highly Expressed in Primary Osteoblasts and Bones. <i>Journal of Biological Chemistry</i> , 2004, 279, 37485-37490.	3.4	82
23	An Activating Mutation in the Kinase Homology Domain of the Natriuretic Peptide Receptor-2 Causes Extremely Tall Stature Without Skeletal Deformities. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E1988-E1998.	3.6	78
24	Receptor guanylyl cyclases in Inka cells targeted by eclosion hormone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13371-13376.	7.1	66
25	SCUBE2 Suppresses Breast Tumor Cell Proliferation and Confers a Favorable Prognosis in Invasive Breast Cancer. <i>Cancer Research</i> , 2009, 69, 3634-3641.	0.9	63
26	Isolation and characterization of a secreted, cell-surface glycoprotein SCUBE2 from humans. <i>Biochemical Journal</i> , 2009, 422, 119-128.	3.7	59
27	Chromosomal Localization and Genomic Organization of Genes Encoding Guanylyl Cyclase Receptors Expressed in Olfactory Sensory Neurons and Retina. <i>Genomics</i> , 1996, 31, 367-372.	2.9	58
28	Genetic endothelial systems biology of sickle stroke risk. <i>Blood</i> , 2008, 111, 3872-3879.	1.4	54
29	Identification and characterization of oligonucleotides that inhibit Toll-like receptor 2-associated immune responses. <i>FASEB Journal</i> , 2009, 23, 3078-3088.	0.5	54
30	Tumor suppressor SCUBE2 inhibits breast-cancer cell migration and invasion through the reversal of epithelial-mesenchymal transition. <i>Journal of Cell Science</i> , 2014, 127, 85-100.	2.0	51
31	A cardiac pathway of cyclic GMP-independent signaling of guanylyl cyclase A, the receptor for atrial natriuretic peptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18500-18505.	7.1	48
32	Receptor guanylyl cyclase-G is a novel thermosensory protein activated by cool temperatures. <i>EMBO Journal</i> , 2015, 34, 294-306.	7.8	42
33	Domain and Functional Analysis of a Novel Breast Tumor Suppressor Protein, SCUBE2. <i>Journal of Biological Chemistry</i> , 2011, 286, 27039-27047.	3.4	39
34	SCUBE3 loss-of-function causes a recognizable recessive developmental disorder due to defective bone morphogenetic protein signaling. <i>American Journal of Human Genetics</i> , 2021, 108, 115-133.	6.2	37
35	Procalcitonin as a Biomarker for Bacterial Infections in Patients With Liver Cirrhosis in the Emergency Department. <i>Academic Emergency Medicine</i> , 2011, 18, no-no.	1.8	35
36	Disruption of Guanylyl Cyclase-G Protects against Acute Renal Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 339-348.	6.1	33

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37	Chemo- and Thermosensory Responsiveness of Grueneberg Ganglion Neurons Relies on Cyclic Guanosine Monophosphate Signaling Elements. <i>NeuroSignals</i> , 2011, 19, 198-209.	0.9	33
38	Endothelial SCUBE2 Interacts With VEGFR2 and Regulates VEGF-Induced Angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 144-155.	2.4	33
39	Guanylate cyclase-G, expressed in the Grueneberg ganglion olfactory subsystem, is activated by bicarbonate. <i>Biochemical Journal</i> , 2010, 432, 267-273.	3.7	31
40	Disruption of <i>Scube2</i> Impairs Endochondral Bone Formation. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 1255-1267.	2.8	31
41	Identification of an orphan guanylate cyclase receptor selectively expressed in mouse testis. <i>Biochemical Journal</i> , 2004, 379, 385-393.	3.7	28
42	Inhibition of the Plasma SCUBE1, a Novel Platelet Adhesive Protein, Protects Mice Against Thrombosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1390-1398.	2.4	27
43	A Comprehensive Analysis of FUT8 Overexpressing Prostate Cancer Cells Reveals the Role of EGFR in Castration Resistance. <i>Cancers</i> , 2020, 12, 468.	3.7	25
44	Hedgehog signaling reprograms hair follicle niche fibroblasts to a hyper-activated state. <i>Developmental Cell</i> , 2022, 57, 1758-1775.e7.	7.0	25
45	SCUBE1, a novel developmental gene involved in renal regeneration and repair. <i>Nephrology Dialysis Transplantation</i> , 2010, 25, 1421-1428.	0.7	24
46	Sef Is an Inhibitor of Proinflammatory Cytokine Signaling, Acting by Cytoplasmic Sequestration of NF- κ B. <i>Developmental Cell</i> , 2012, 23, 611-623.	7.0	24
47	Targeting a ribonucleoprotein complex containing the caprin-1 protein and the c-Myc mRNA suppresses tumor growth in mice: an identification of a novel oncotarget. <i>Oncotarget</i> , 2015, 6, 2148-2163.	1.8	24
48	Transgenic overexpression of the secreted, extracellular EGF-CUB domain-containing protein SCUBE3 induces cardiac hypertrophy in mice. <i>Cardiovascular Research</i> , 2007, 75, 139-147.	3.8	23
49	Functional Evolution of Cardiac MicroRNAs in Heart Development and Functions. <i>Molecular Biology and Evolution</i> , 2014, 31, 2722-2734.	8.9	21
50	Inhibition of Endothelial SCUBE2 (Signal Peptide-CUB-EGF Domain-Containing Protein 2), a Novel VEGFR2 (Vascular Endothelial Growth Factor Receptor 2) Coreceptor, Suppresses Tumor Angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 1202-1215.	2.4	21
51	Guanylyl cyclase α G is an alarm pheromone receptor in mice. <i>EMBO Journal</i> , 2018, 37, 39-49.	7.8	21
52	Tylophorine-based compounds are therapeutic in rheumatoid arthritis by targeting the caprin-1 ribonucleoprotein complex and inhibiting expression of associated c-Myc and HIF-1 α . <i>Pharmacological Research</i> , 2020, 152, 104581.	7.1	21
53	Odorant-evoked electrical responses in Grueneberg ganglion neurons rely on cGMP-associated signaling proteins. <i>Neuroscience Letters</i> , 2013, 539, 38-42.	2.1	20
54	SCUBE3 (Signal Peptide-CUB-EGF Domain-containing Protein 3) Modulates Fibroblast Growth Factor Signaling during Fast Muscle Development. <i>Journal of Biological Chemistry</i> , 2014, 289, 18928-18942.	3.4	20

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55	Upregulated SCUBE2 expression in breast cancer stem cells enhances triple negative breast cancer aggression through modulation of notch signaling and epithelial-to-mesenchymal transition. <i>Experimental Cell Research</i> , 2018, 370, 444-453.	2.6	19
56	Zebrafish scube1 (Signal Peptide-CUB (Complement Protein C1r/C1s, Uegf, and Bmp1)-EGF (Epidermal) Tj ETQq0 0 0 rgBT /Overlock 10 Biological Chemistry, 2013, 288, 5017-5026.	3.4	18
57	Inhibition of SARS-CoV-2 by Highly Potent Broad-Spectrum Anti-Coronaviral Tylophorine-Based Derivatives. <i>Frontiers in Pharmacology</i> , 2020, 11, 606097.	3.5	17
58	Biomaterial-induced conversion of quiescent cardiomyocytes into pacemaker cells in rats. <i>Nature Biomedical Engineering</i> , 2022, 6, 421-434.	22.5	17
59	Remdesivir and Cyclosporine Synergistically Inhibit the Human Coronaviruses OC43 and SARS-CoV-2. <i>Frontiers in Pharmacology</i> , 2021, 12, 706901.	3.5	16
60	Electrostatics and N-glycan-mediated membrane tethering of SCUBE1 is critical for promoting bone morphogenetic protein signalling. <i>Biochemical Journal</i> , 2016, 473, 661-672.	3.7	15
61	Localization and Characterization of an Orphan Receptor, Guanylyl Cyclase-G, in Mouse Testis and Sperm. <i>Endocrinology</i> , 2006, 147, 4792-4800.	2.8	14
62	Identification of Galectin-3 as Potential Biomarkers for Renal Fibrosis by RNA-Sequencing and Clinicopathologic Findings of Kidney Biopsy. <i>Frontiers in Medicine</i> , 2021, 8, 748225.	2.6	14
63	Association of Plasma Concentration of Small Heat Shock Protein B7 With Acute Coronary Syndrome. <i>Circulation Journal</i> , 2012, 76, 2226-2233.	1.6	13
64	Fibroblasts Drive Metabolic Reprogramming in Pacemaker Cardiomyocytes. <i>Circulation Research</i> , 2022, 131, 6-20.	4.5	13
65	Urinary Galectin-3 as a Novel Biomarker for the Prediction of Renal Fibrosis and Kidney Disease Progression. <i>Biomedicines</i> , 2022, 10, 585.	3.2	12
66	Characterization of a novel cell-surface protein expressed on human sperm. <i>Human Reproduction</i> , 2010, 25, 42-51.	0.9	11
67	FUT8 Remodeling of EGFR Regulates Epidermal Keratinocyte Proliferation during Psoriasis Development. <i>Journal of Investigative Dermatology</i> , 2021, 141, 512-522.	0.7	8
68	Quantitative glycoproteomics analysis identifies novel FUT8 targets and signaling networks critical for breast cancer cell invasiveness. <i>Breast Cancer Research</i> , 2022, 24, 21.	5.0	8
69	SCUBE1-enhanced bone morphogenetic protein signaling protects against renal ischemia-reperfusion injury. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 329-338.	3.8	7
70	Epidermal growth factor-like repeats of SCUBE1 derived from platelets are critical for thrombus formation. <i>Cardiovascular Research</i> , 2020, 116, 193-201.	3.8	6
71	Endosomal TLR3 co-receptor CLEC18A enhances host immune response to viral infection. <i>Communications Biology</i> , 2021, 4, 229.	4.4	6
72	Guanylyl Cyclase-G Modulates Jejunal Apoptosis and Inflammation in Mice with Intestinal Ischemia and Reperfusion. <i>PLoS ONE</i> , 2014, 9, e101314.	2.5	6

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73	Cav3.2 TÊ type calcium channel regulates mouse platelet activation and arterial thrombosis. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 1887-1899.	3.8	6
74	Relationship between Circulating Galectin-3, Systemic Inflammation, and Protein-Energy Wasting in Chronic Hemodialysis Patients. <i>Nutrients</i> , 2021, 13, 2803.	4.1	4
75	A novel guanylyl cyclase receptor, BdmGC-1, is highly expressed during the development of the oriental fruit fly <i>Bactrocera dorsalis</i> (Hendel). <i>Insect Molecular Biology</i> , 2006, 15, 69-77.	2.0	2
76	Zebrafish Scube1 and Scube2 cooperate in promoting Vegfa signalling during embryonic vascularization. <i>Cardiovascular Research</i> , 2021, , .	3.8	2
77	Receptor guanylyl cyclase-G is a sensory protein activated by cool temperatures and predator odor 2,4,5-trimethylthiazoline. <i>BMC Pharmacology & Toxicology</i> , 2015, 16, .	2.4	0
78	The predator odor 2,4,5-trimethylthiazoline binds and activates receptor guanylyl cyclase-G to elicit innate defensive responses. <i>BMC Pharmacology & Toxicology</i> , 2015, 16, .	2.4	0
79	Loss of Cone and Reduction in Rod ERG Responses in the Guanylyl Cyclase-E (GC-E) Deficient Mouse. , 1999, , 67-80.		0