

# Ruey-Bing Yang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8625495/publications.pdf>

Version: 2024-02-01

79  
papers

9,494  
citations

117453

34  
h-index

71532

76  
g-index

80  
all docs

80  
docs citations

80  
times ranked

9107  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomaterial-induced conversion of quiescent cardiomyocytes into pacemaker cells in rats. <i>Nature Biomedical Engineering</i> , 2022, 6, 421-434.	11.6	17
2	Quantitative glycoproteomics analysis identifies novel FUT8 targets and signaling networks critical for breast cancer cell invasiveness. <i>Breast Cancer Research</i> , 2022, 24, 21.	2.2	8
3	Urinary Galectin-3 as a Novel Biomarker for the Prediction of Renal Fibrosis and Kidney Disease Progression. <i>Biomedicines</i> , 2022, 10, 585.	1.4	12
4	Cav3.2 T&Etype calcium channel regulates mouse platelet activation and arterial thrombosis. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 1887-1899.	1.9	6
5	Fibroblasts Drive Metabolic Reprogramming in Pacemaker Cardiomyocytes. <i>Circulation Research</i> , 2022, 131, 6-20.	2.0	13
6	Hedgehog signaling reprograms hair follicle niche fibroblasts to a hyper-activated state. <i>Developmental Cell</i> , 2022, 57, 1758-1775.e7.	3.1	25
7	FUT8 Remodeling of EGFR Regulates Epidermal Keratinocyte Proliferation during Psoriasis Development. <i>Journal of Investigative Dermatology</i> , 2021, 141, 512-522.	0.3	8
8	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.	2.6	37
9	Endosomal TLR3 co-receptor CLEC18A enhances host immune response to viral infection. <i>Communications Biology</i> , 2021, 4, 229.	2.0	6
10	Zebrafish Scube1 and Scube2 cooperate in promoting Vegfa signalling during embryonic vascularization. <i>Cardiovascular Research</i> , 2021, , .	1.8	2
11	Remdesivir and Cyclosporine Synergistically Inhibit the Human Coronaviruses OC43 and SARS-CoV-2. <i>Frontiers in Pharmacology</i> , 2021, 12, 706901.	1.6	16
12	Relationship between Circulating Galectin-3, Systemic Inflammation, and Protein-Energy Wasting in Chronic Hemodialysis Patients. <i>Nutrients</i> , 2021, 13, 2803.	1.7	4
13	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.	1.2	14
14	Epidermal growth factor-like repeats of SCUBE1 derived from platelets are critical for thrombus formation. <i>Cardiovascular Research</i> , 2020, 116, 193-201.	1.8	6
15	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&Ecirc;. <i>Pharmacological Research</i> , 2020, 152, 104581.	3.1	21
16	Inhibition of SARS-CoV-2 by Highly Potent Broad-Spectrum Anti-Coronaviral Tylophorine-Based Derivatives. <i>Frontiers in Pharmacology</i> , 2020, 11, 606097.	1.6	17
17	A Comprehensive Analysis of FUT8 Overexpressing Prostate Cancer Cells Reveals the Role of EGFR in Castration Resistance. <i>Cancers</i> , 2020, 12, 468.	1.7	25
18	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.	1.8	7

#	ARTICLE	IF	CITATIONS
19	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, Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 1202-1215.	1.1	21
20	PSPC1 mediates TGF- $\beta$ 1 autocrine signalling and Smad2/3 target switching to promote EMT, stemness and metastasis. Nature Cell Biology, 2018, 20, 479-491.	4.6	141
21	Guanylyl cyclase-G is an alarm pheromone receptor in mice. EMBO Journal, 2018, 37, 39-49.	3.5	21
22	Upregulated SCUBE2 expression in breast cancer stem cells enhances triple negative breast cancer aggression through modulation of notch signaling and epithelial-to-mesenchymal transition. Experimental Cell Research, 2018, 370, 444-453.	1.2	19
23	FUT8 promotes breast cancer cell invasiveness by remodeling TGF- $\beta$ 2 receptor core fucosylation. Breast Cancer Research, 2017, 19, 111.	2.2	146
24	Endothelial SCUBE2 Interacts With VEGFR2 and Regulates VEGF-Induced Angiogenesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 144-155.	1.1	33
25	Electrostatics and N-glycan-mediated membrane tethering of SCUBE1 is critical for promoting bone morphogenetic protein signalling. Biochemical Journal, 2016, 473, 661-672.	1.7	15
26	Receptor guanylyl cyclase-G is a sensory protein activated by cool temperatures and predator odor 2,4,5-trimethylthiazoline. BMC Pharmacology & Toxicology, 2015, 16, .	1.0	0
27	The predator odor 2,4,5-trimethylthiazoline binds and activates receptor guanylyl cyclase-G to elicit innate defensive responses. BMC Pharmacology & Toxicology, 2015, 16, .	1.0	0
28	Disruption of <i>Scube2</i> Impairs Endochondral Bone Formation. Journal of Bone and Mineral Research, 2015, 30, 1255-1267.	3.1	31
29	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. Oncotarget, 2015, 6, 2148-2163.	0.8	24
30	Receptor guanylyl cyclase-G is a novel thermosensory protein activated by cool temperatures. EMBO Journal, 2015, 34, 294-306.	3.5	42
31	Tumor suppressor <i>SCUBE2</i> inhibits breast-cancer cell migration and invasion through the reversal of epithelial-mesenchymal transition. Journal of Cell Science, 2014, 127, 85-100.	1.2	51
32	SCUBE3 (Signal Peptide-CUB-EGF Domain-containing Protein 3) Modulates Fibroblast Growth Factor Signaling during Fast Muscle Development. Journal of Biological Chemistry, 2014, 289, 18928-18942.	1.6	20
33	Inhibition of the Plasma SCUBE1, a Novel Platelet Adhesive Protein, Protects Mice Against Thrombosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1390-1398.	1.1	27
34	Functional Evolution of Cardiac MicroRNAs in Heart Development and Functions. Molecular Biology and Evolution, 2014, 31, 2722-2734.	3.5	21
35	Guanylyl Cyclase-G Modulates Jejunal Apoptosis and Inflammation in Mice with Intestinal Ischemia and Reperfusion. PLoS ONE, 2014, 9, e101314.	1.1	6
36	An Activating Mutation in the Kinase Homology Domain of the Natriuretic Peptide Receptor-2 Causes Extremely Tall Stature Without Skeletal Deformities. Journal of Clinical Endocrinology and Metabolism, 2013, 98, E1988-E1998.	1.8	78

#	ARTICLE	IF	CITATIONS
37	Odorant-evoked electrical responses in Grueneberg ganglion neurons rely on cGMP-associated signaling proteins. <i>Neuroscience Letters</i> , 2013, 539, 38-42.	1.0	20
38	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.	1.6	18
39	Association of Plasma Concentration of Small Heat Shock Protein B7 With Acute Coronary Syndrome. <i>Circulation Journal</i> , 2012, 76, 2226-2233.	0.7	13
40	Sef Is an Inhibitor of Proinflammatory Cytokine Signaling, Acting by Cytoplasmic Sequestration of NF- $\kappa$ B. <i>Developmental Cell</i> , 2012, 23, 611-623.	3.1	24
41	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.	0.8	35
42	SCUBE3 is an endogenous TGF- $\beta$ 2 receptor ligand and regulates the epithelial-mesenchymal transition in lung cancer. <i>Oncogene</i> , 2011, 30, 3682-3693.	2.6	85
43	Domain and Functional Analysis of a Novel Breast Tumor Suppressor Protein, SCUBE2. <i>Journal of Biological Chemistry</i> , 2011, 286, 27039-27047.	1.6	39
44	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.	3.3	48
45	Chemo- and Thermosensory Responsiveness of Grueneberg Ganglion Neurons Relies on Cyclic Guanosine Monophosphate Signaling Elements. <i>NeuroSignals</i> , 2011, 19, 198-209.	0.5	33
46	Guanylate cyclase-G, expressed in the Grueneberg ganglion olfactory subsystem, is activated by bicarbonate. <i>Biochemical Journal</i> , 2010, 432, 267-273.	1.7	31
47	ATF3-Mediated Epigenetic Regulation Protects against Acute Kidney Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 1003-1013.	3.0	87
48	Characterization of a novel cell-surface protein expressed on human sperm. <i>Human Reproduction</i> , 2010, 25, 42-51.	0.4	11
49	SCUBE1, a novel developmental gene involved in renal regeneration and repair. <i>Nephrology Dialysis Transplantation</i> , 2010, 25, 1421-1428.	0.4	24
50	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.	3.3	66
51	Identification and characterization of oligonucleotides that inhibit Toll-like receptor-associated immune responses. <i>FASEB Journal</i> , 2009, 23, 3078-3088.	0.2	54
52	SCUBE2 Suppresses Breast Tumor Cell Proliferation and Confers a Favorable Prognosis in Invasive Breast Cancer. <i>Cancer Research</i> , 2009, 69, 3634-3641.	0.4	63
53	Isolation and characterization of a secreted, cell-surface glycoprotein SCUBE2 from humans. <i>Biochemical Journal</i> , 2009, 422, 119-128.	1.7	59
54	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.	1.2	95

#	ARTICLE	IF	CITATIONS
55	Domain and Functional Analysis of a Novel Platelet-Endothelial Cell Surface Protein, SCUBE1. <i>Journal of Biological Chemistry</i> , 2008, 283, 12478-12488.	1.6	90
56	Disruption of Guanylyl Cyclase-G Protects against Acute Renal Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 339-348.	3.0	33
57	Genetic endothelial systems biology of sickle stroke risk. <i>Blood</i> , 2008, 111, 3872-3879.	0.6	54
58	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.	1.8	23
59	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.	1.0	2
60	Localization and Characterization of an Orphan Receptor, Guanylyl Cyclase-G, in Mouse Testis and Sperm. <i>Endocrinology</i> , 2006, 147, 4792-4800.	1.4	14
61	Localization and characterization of a novel secreted protein SCUBE1 in human platelets. <i>Cardiovascular Research</i> , 2006, 71, 486-495.	1.8	87
62	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.	1.6	82
63	Identification of an orphan guanylate cyclase receptor selectively expressed in mouse testis. <i>Biochemical Journal</i> , 2004, 379, 385-393.	1.7	28
64	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.	1.6	89
65	Identification of a Novel Family of Cell-surface Proteins Expressed in Human Vascular Endothelium. <i>Journal of Biological Chemistry</i> , 2002, 277, 46364-46373.	1.6	136
66	Flow Loading Induces Macrophage Antioxidative Gene Expression in Experimental Aneurysms. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 2017-2022.	1.1	98
67	Gene expression profile of human endothelial cells exposed to sustained fluid shear stress. <i>Physiological Genomics</i> , 2002, 12, 13-23.	1.0	111
68	Identification of the platelet ADP receptor targeted by antithrombotic drugs. <i>Nature</i> , 2001, 409, 202-207.	13.7	1,338
69	The apoptotic signaling pathway activated by Toll-like receptor-2. <i>EMBO Journal</i> , 2000, 19, 3325-3336.	3.5	439
70	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.	1.7	182
71	Cell Activation and Apoptosis by Bacterial Lipoproteins Through Toll-like Receptor-2. <i>Science</i> , 1999, 285, 736-739.	6.0	1,364
72	Host Defense Mechanisms Triggered by Microbial Lipoproteins Through Toll-Like Receptors. <i>Science</i> , 1999, 285, 732-736.	6.0	1,506

#	ARTICLE	IF	CITATIONS
73	Loss of Cone and Reduction in Rod ERG Responses in the Guanylyl Cyclase-E (GC-E) Deficient Mouse. , 1999, , 67-80.		0
74	Toll-like receptor-2 mediates lipopolysaccharide-induced cellular signalling. Nature, 1998, 395, 284-288.	13.7	1,162
75	Mutations in the Retinal Guanylate Cyclase (RETGC-1) Gene in Dominant Cone-Rod Dystrophy. Human Molecular Genetics, 1998, 7, 1179-1184.	1.4	232
76	Two Eye Guanylyl Cyclases Are Expressed in the Same Photoreceptor Cells and Form Homomers in Preference to Heteromers. Journal of Biological Chemistry, 1997, 272, 13738-13742.	1.6	121
77	Chromosomal Localization and Genomic Organization of Genes Encoding Guanylyl Cyclase Receptors Expressed in Olfactory Sensory Neurons and Retina. Genomics, 1996, 31, 367-372.	1.3	58
78	A receptor guanylyl cyclase expressed specifically in olfactory sensory neurons.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 3571-3575.	3.3	269
79	Two membrane forms of guanylyl cyclase found in the eye.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 602-606.	3.3	231