

Seungil Ro

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59
papers

2,866
citations

26
h-index

53
g-index

63
ext. papers

3,301
ext. citations

6
avg. IF

4.93
L-index

#	Paper	IF	Citations
59	Tissue-dependent paired expression of miRNAs. <i>Nucleic Acids Research</i> , 2007 , 35, 5944-53	20.1	268
58	Regulation of gastrointestinal motility--insights from smooth muscle biology. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2012 , 9, 633-45	24.2	238
57	Cloning and expression profiling of testis-expressed microRNAs. <i>Developmental Biology</i> , 2007 , 311, 592-602	6.2	213
56	A Ca(2+)-activated Cl(-) conductance in interstitial cells of Cajal linked to slow wave currents and pacemaker activity. <i>Journal of Physiology</i> , 2009 , 587, 4905-18	3.9	201
55	Many X-linked microRNAs escape meiotic sex chromosome inactivation. <i>Nature Genetics</i> , 2009 , 41, 488-93	6.3	163
54	Sertoli cell Dicer is essential for spermatogenesis in mice. <i>Developmental Biology</i> , 2009 , 326, 250-9	3.1	157
53	Cloning and expression profiling of small RNAs expressed in the mouse ovary. <i>Rna</i> , 2007 , 13, 2366-80	5.8	150
52	A PCR-based method for detection and quantification of small RNAs. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 351, 756-63	3.4	140
51	The mitochondrial genome encodes abundant small noncoding RNAs. <i>Cell Research</i> , 2013 , 23, 759-74	24.7	125
50	Catsper3 and Catsper4 are essential for sperm hyperactivated motility and male fertility in the mouse. <i>Biology of Reproduction</i> , 2007 , 77, 37-44	3.9	124
49	TREK-1 regulation by nitric oxide and cGMP-dependent protein kinase. An essential role in smooth muscle inhibitory neurotransmission. <i>Journal of Biological Chemistry</i> , 2001 , 276, 44338-46	5.4	113
48	Kit signaling is essential for development and maintenance of interstitial cells of Cajal and electrical rhythmicity in the embryonic gastrointestinal tract. <i>Developmental Dynamics</i> , 2007 , 236, 60-72	2.9	76
47	Selective labeling and isolation of functional classes of interstitial cells of Cajal of human and murine small intestine. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 292, C497-507	5.4	66
46	Birth of mice after intracytoplasmic injection of single purified sperm nuclei and detection of messenger RNAs and MicroRNAs in the sperm nuclei. <i>Biology of Reproduction</i> , 2008 , 78, 896-902	3.9	63
45	Cloning and expression profiling of testis-expressed piRNA-like RNAs. <i>Rna</i> , 2007 , 13, 1693-702	5.8	62
44	A model to study the phenotypic changes of interstitial cells of Cajal in gastrointestinal diseases. <i>Gastroenterology</i> , 2010 , 138, 1068-78.e1-2	13.3	56
43	Anatomic modifications in the enteric nervous system of piebald mice and physiological consequences to colonic motor activity. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 290, G710-8	5.1	52

42	Transcriptome of interstitial cells of Cajal reveals unique and selective gene signatures. <i>PLoS ONE</i> , 2017 , 12, e0176031	3.7	47
41	Serum response factor-dependent MicroRNAs regulate gastrointestinal smooth muscle cell phenotypes. <i>Gastroenterology</i> , 2011 , 141, 164-75	13.3	45
40	Novel voltage-dependent non-selective cation conductance in murine colonic myocytes. <i>Journal of Physiology</i> , 2001 , 533, 341-55	3.9	39
39	Nucleotide regulation of the voltage-dependent nonselective cation conductance in murine colonic myocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2006 , 291, C985-94	5.4	36
38	MicroRNAs dynamically remodel gastrointestinal smooth muscle cells. <i>PLoS ONE</i> , 2011 , 6, e18628	3.7	35
37	Smooth Muscle Cell Genome Browser: Enabling the Identification of Novel Serum Response Factor Target Genes. <i>PLoS ONE</i> , 2015 , 10, e0133751	3.7	35
36	In situ hybridization detection of microRNAs. <i>Methods in Molecular Biology</i> , 2010 , 629, 287-94	1.4	33
35	Gut Microbial Dysbiosis in the Pathogenesis of Gastrointestinal Dysmotility and Metabolic Disorders. <i>Journal of Neurogastroenterology and Motility</i> , 2021 , 27, 19-34	4.4	31
34	Basally activated nonselective cation currents regulate the resting membrane potential in human and monkey colonic smooth muscle. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 301, G287-96	5.1	29
33	A novel class of somatic small RNAs similar to germ cell pachytene PIWI-interacting small RNAs. <i>Journal of Biological Chemistry</i> , 2014 , 289, 32824-34	5.4	22
32	Serotonin is elevated in COVID-19-associated diarrhoea. <i>Gut</i> , 2021 , 70, 2015-2017	19.2	22
31	Computer-assisted annotation of murine Sertoli cell small RNA transcriptome. <i>Biology of Reproduction</i> , 2013 , 88, 3	3.9	20
30	Transcriptome analysis of PDGFR β cells identifies T-type Ca ²⁺ channel CACNA1G as a new pathological marker for PDGFR β cell hyperplasia. <i>PLoS ONE</i> , 2017 , 12, e0182265	3.7	16
29	DNA methylation, through DNMT1, has an essential role in the development of gastrointestinal smooth muscle cells and disease. <i>Cell Death and Disease</i> , 2018 , 9, 474	9.8	15
28	Adenovirus-based short hairpin RNA vectors containing an EGFP marker and mouse U6, human H1, or human U6 promoter. <i>BioTechniques</i> , 2005 , 38, 625-7	2.5	12
27	Smooth Muscle Transcriptome Browser: offering genome-wide references and expression profiles of transcripts expressed in intestinal SMC, ICC, and PDGFR β cells. <i>Scientific Reports</i> , 2019 , 9, 387	4.9	11
26	miR-10b-5p Rescues Diabetes and Gastrointestinal Dysmotility. <i>Gastroenterology</i> , 2021 , 160, 1662-1678.e13	13.8	11
25	Multi-phenotypic Role of Serum Response Factor in the Gastrointestinal System. <i>Journal of Neurogastroenterology and Motility</i> , 2016 , 22, 193-200	4.4	11

24	Pathophysiological mechanisms underlying gastrointestinal symptoms in patients with COVID-19. <i>World Journal of Gastroenterology</i> , 2021 , 27, 2341-2352	5.6	10
23	Serotonin Deficiency Is Associated With Delayed Gastric Emptying. <i>Gastroenterology</i> , 2021 , 160, 2451-2466	5.3	10
22	Serum Response Factor Is Essential for Prenatal Gastrointestinal Smooth Muscle Development and Maintenance of Differentiated Phenotype. <i>Journal of Neurogastroenterology and Motility</i> , 2015 , 21, 589-602	4.1	9
21	Upregulation of autophagy by Ginsenoside Rg2 in MCF-7 cells. <i>Animal Cells and Systems</i> , 2018 , 22, 382-389	3.3	9
20	Protective effects of ginsenoside Rg2 and astaxanthin mixture against UVB-induced DNA damage. <i>Animal Cells and Systems</i> , 2018 , 22, 400-406	2.3	9
19	Serum response factor regulates smooth muscle contractility via myotonic dystrophy protein kinases and L-type calcium channels. <i>PLoS ONE</i> , 2017 , 12, e0171262	3.7	8
18	Detection and quantitative analysis of small RNAs by PCR. <i>Methods in Molecular Biology</i> , 2010 , 629, 295-305	3.5	8
17	Gut microbiota dysbiosis in functional gastrointestinal disorders: Underpinning the symptoms and pathophysiology. <i>JGH Open</i> , 2021 , 5, 976-987	1.8	8
16	Effect of electrical stimulation on neural regeneration the p38-RhoA and ERK1/2-Bcl-2 pathways in spinal cord-injured rats. <i>Neural Regeneration Research</i> , 2018 , 13, 340-346	4.5	7
15	Current Advances in RNA Therapeutics for Human Diseases.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	7
14	Role of DNA Methylation in the Development and Differentiation of Intestinal Epithelial Cells and Smooth Muscle Cells. <i>Journal of Neurogastroenterology and Motility</i> , 2019 , 25, 377-386	4.4	6
13	Potential Role of PDGFR β -Associated THBS4 in Colorectal Cancer Development. <i>Cancers</i> , 2020 , 12,	6.6	6
12	Colonic Motility Is Improved by the Activation of 5-HT Receptors on Interstitial Cells of Cajal in Diabetic Mice. <i>Gastroenterology</i> , 2021 , 161, 608-622.e7	13.3	6
11	Small RNA cloning. <i>Methods in Molecular Biology</i> , 2010 , 629, 273-85	1.4	5
10	The Link between Oral and Gut Microbiota in Inflammatory Bowel Disease and a Synopsis of Potential Salivary Biomarkers. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6421	2.6	4
9	Role of microRNAs in Disorders of Gut-Brain Interactions: Clinical Insights and Therapeutic Alternatives. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	4
8	Extracellular Matrix Biomarkers in Colorectal Cancer. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
7	A Mouse Model of Intestinal Partial Obstruction. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	3

6	Regulation of p53 Activity by (+)-Epiloliolide Isolated from. <i>Marine Drugs</i> , 2021 , 19,	6	3
5	Current Treatment Options and Therapeutic Insights for Gastrointestinal Dysmotility and Functional Gastrointestinal Disorders.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 808195	5.6	2
4	Ca transients in ICC-MY define the basis for the dominance of the corpus in gastric pacemaking. <i>Cell Calcium</i> , 2021 , 99, 102472	4	1
3	Distinguishing the contributions of neuronal and mucosal serotonin in the regulation of colonic motility.. <i>Neurogastroenterology and Motility</i> , 2022 , e14361	4	0
2	Transcriptome profiling of subepithelial PDGFR α cells in colonic mucosa reveals several cell-selective markers.. <i>PLoS ONE</i> , 2022 , 17, e0261743	3.7	0
1	Genome-wide discovery of gene isoforms expressed in primary smooth muscle cells. <i>FASEB Journal</i> , 2013 , 27, 939.9	0.9	