

# Sara R Zanivan

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

3,883  
citations

218381

26  
h-index

161609

54  
g-index

64  
all docs

64  
docs citations

64  
times ranked

6626  
citing authors

#	ARTICLE	IF	CITATIONS
1	SILAC Mouse for Quantitative Proteomics Uncovers Kindlin-3 as an Essential Factor for Red Blood Cell Function. <i>Cell</i> , 2008, 134, 353-364.	13.5	631
2	Class 3 semaphorins control vascular morphogenesis by inhibiting integrin function. <i>Nature</i> , 2003, 424, 391-397.	13.7	546
3	Use of stable isotope labeling by amino acids in cell culture as a spike-in standard in quantitative proteomics. <i>Nature Protocols</i> , 2011, 6, 147-157.	5.5	265
4	Quantitative proteomics identifies the core proteome of exosomes with syntenin-1 as the highest abundant protein and a putative universal biomarker. <i>Nature Cell Biology</i> , 2021, 23, 631-641.	4.6	213
5	Proteome-wide analysis of cysteine oxidation reveals metabolic sensitivity to redox stress. <i>Nature Communications</i> , 2018, 9, 1581.	5.8	178
6	Cancer Associated Fibroblasts: The Architects of Stroma Remodeling. <i>Proteomics</i> , 2018, 18, e1700167.	1.3	169
7	Mutant p53 enhances MET trafficking and signalling to drive cell scattering and invasion. <i>Oncogene</i> , 2013, 32, 1252-1265.	2.6	162
8	Tumor matrix stiffness promotes metastatic cancer cell interaction with the endothelium. <i>EMBO Journal</i> , 2017, 36, 2373-2389.	3.5	144
9	Solid Tumor Proteome and Phosphoproteome Analysis by High Resolution Mass Spectrometry. <i>Journal of Proteome Research</i> , 2008, 7, 5314-5326.	1.8	132
10	2,4-dienoyl-CoA reductase regulates lipid homeostasis in treatment-resistant prostate cancer. <i>Nature Communications</i> , 2020, 11, 2508.	5.8	108
11	Mutant p53s generate pro-invasive niches by influencing exosome podocalyxin levels. <i>Nature Communications</i> , 2018, 9, 5069.	5.8	91
12	InÂVivo SILAC-Based Proteomics Reveals Phosphoproteome Changes during Mouse Skin Carcinogenesis. <i>Cell Reports</i> , 2013, 3, 552-566.	2.9	90
13	Proteomics-Based Metabolic Modeling Reveals That Fatty Acid Oxidation (FAO) Controls Endothelial Cell (EC) Permeability. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 621-634.	2.5	85
14	Hypoxic cancer-associated fibroblasts increase NCBP2-AS2/HIAR to promote endothelial sprouting through enhanced VEGF signaling. <i>Science Signaling</i> , 2019, 12, .	1.6	83
15	Secreted CLIC3 drives cancer progression through its glutathione-dependent oxidoreductase activity. <i>Nature Communications</i> , 2017, 8, 14206.	5.8	81
16	In Vivo Quantitative Proteomics: The SILAC Mouse. <i>Methods in Molecular Biology</i> , 2011, 757, 435-450.	0.4	77
17	The Cancer Cell Oxygen Sensor PHD2 Promotes Metastasis via Activation of Cancer-Associated Fibroblasts. <i>Cell Reports</i> , 2015, 12, 992-1005.	2.9	66
18	Fam49/CYR1 interacts with Rac1 and locally suppresses protrusions. <i>Nature Cell Biology</i> , 2018, 20, 1159-1171.	4.6	64

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19	The Initiator Methionine tRNA Drives Secretion of Type II Collagen from Stromal Fibroblasts to Promote Tumor Growth and Angiogenesis. <i>Current Biology</i> , 2016, 26, 755-765.	1.8	57
20	SILAC-Based Proteomics of Human Primary Endothelial Cell Morphogenesis Unveils Tumor Angiogenic Markers. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3599-3611.	2.5	55
21	Cancer-associated fibroblasts require proline synthesis by PYCR1 for the deposition of pro-tumorigenic extracellular matrix. <i>Nature Metabolism</i> , 2022, 4, 693-710.	5.1	49
22	eIF4A2 drives repression of translation at initiation by Ccr4-Not through purine-rich motifs in the 5'UTR. <i>Genome Biology</i> , 2019, 20, 262.	3.8	39
23	Cancer-Associated Fibroblasts as a Common Orchestrator of Therapy Resistance in Lung and Pancreatic Cancer. <i>Cancers</i> , 2021, 13, 987.	1.7	38
24	Quantitative phosphoproteomics unveils temporal dynamics of thrombin signaling in human endothelial cells. <i>Blood</i> , 2014, 123, e22-e36.	0.6	36
25	Î²1 integrin cytoplasmic tyrosines promote skin tumorigenesis independent of their phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15213-15218.	3.3	31
26	Formate induces a metabolic switch in nucleotide and energy metabolism. <i>Cell Death and Disease</i> , 2020, 11, 310.	2.7	31
27	DELTEX2 C-terminal domain recognizes and recruits ADP-ribosylated proteins for ubiquitination. <i>Science Advances</i> , 2020, 6, .	4.7	29
28	Regulation of Extracellular Matrix Production in Activated Fibroblasts: Roles of Amino Acid Metabolism in Collagen Synthesis. <i>Frontiers in Oncology</i> , 2021, 11, 719922.	1.3	27
29	Src activation by Chk1 promotes actin patch formation and prevents chromatin bridge breakage in cytokinesis. <i>Journal of Cell Biology</i> , 2018, 217, 3071-3089.	2.3	26
30	Ultraviolet light-induced collagen degradation inhibits melanoma invasion. <i>Nature Communications</i> , 2021, 12, 2742.	5.8	25
31	In-Depth Proteomics Identifies a Role for Autophagy in Controlling Reactive Oxygen Species Mediated Endothelial Permeability. <i>Journal of Proteome Research</i> , 2016, 15, 2187-2197.	1.8	22
32	Phosphodiesterase 2A2 regulates mitochondria clearance through Parkin-dependent mitophagy. <i>Communications Biology</i> , 2020, 3, 596.	2.0	20
33	Microfluidic technologies for immunotherapy studies on solid tumours. <i>Lab on A Chip</i> , 2021, 21, 2306-2329.	3.1	19
34	SLFN5 Regulates LAT1-Mediated mTOR Activation in Castration-Resistant Prostate Cancer. <i>Cancer Research</i> , 2021, 81, 3664-3678.	0.4	19
35	An ARF GTPase module promoting invasion and metastasis through regulating phosphoinositide metabolism. <i>Nature Communications</i> , 2021, 12, 1623.	5.8	18
36	The mammalian cytosolic thioredoxin reductase pathway acts via a membrane protein to reduce ER-localised proteins. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	15

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37	MASTL promotes cell contractility and motility through kinase-independent signaling. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	14
38	Endothelial cell-derived nidogen-1 inhibits migration of SK-BR-3 breast cancer cells. <i>BMC Cancer</i> , 2019, 19, 312.	1.1	13
39	Differential regulation of mRNA fate by the human Ccr4-Not complex is driven by coding sequence composition and mRNA localization. <i>Genome Biology</i> , 2021, 22, 284.	3.8	13
40	Mutant p53 promotes RCP-dependent chemoresistance coinciding with increased delivery of P-glycoprotein to the plasma membrane. <i>Cell Death and Disease</i> , 2021, 12, 207.	2.7	12
41	THEM6-mediated reprogramming of lipid metabolism supports treatment resistance in prostate cancer. <i>EMBO Molecular Medicine</i> , 2022, 14, e14764.	3.3	12
42	BRF1 accelerates prostate tumourigenesis and perturbs immune infiltration. <i>Oncogene</i> , 2020, 39, 1797-1806.	2.6	10
43	CYRI/ Fam49 Proteins Represent a New Class of Rac1 Interactors. <i>Communicative and Integrative Biology</i> , 2019, 12, 112-118.	0.6	8
44	Nuclear-capture of endosomes depletes nuclear G-actin to promote SRF/MRTF activation and cancer cell invasion. <i>Nature Communications</i> , 2021, 12, 6829.	5.8	8
45	Tumor stiffness extends its grip on the metastatic microenvironment. <i>Molecular and Cellular Oncology</i> , 2017, 4, e1372866.	0.3	7
46	The conversion of formate into purines stimulates mTORC1 leading to CAD-dependent activation of pyrimidine synthesis. <i>Cancer &amp; Metabolism</i> , 2020, 8, 20.	2.4	7
47	Metabolic pathways fuelling protumourigenic cancer-associated fibroblast functions. <i>Current Opinion in Systems Biology</i> , 2021, 28, 100377.	1.3	6
48	The CDC42 effector protein MRCK <sup>12</sup> autophosphorylates on Threonine 1108. <i>Small GTPases</i> , 2020, 11, 451-460.	0.7	5
49	Multi-omics & pathway analysis identify potential roles for tumor N-acetyl aspartate accumulation in murine models of castration-resistant prostate cancer. <i>IScience</i> , 2022, 25, 104056.	1.9	5
50	Quantitative mass spectrometry-based proteomics in angiogenesis. <i>Proteomics - Clinical Applications</i> , 2013, 7, 464-476.	0.8	4
51	In Vivo Quantitative Proteomics for the Study of Oncometabolism. <i>Methods in Enzymology</i> , 2014, 543, 235-259.	0.4	3
52	MASTL is enriched in cancerous and pluripotent stem cells and influences OCT1/OCT4 levels. <i>IScience</i> , 2022, 25, 104459.	1.9	3
53	Methylmalonic acid: an age-related metabolite that drives tumour aggressiveness. <i>Nature Metabolism</i> , 2022, 4, 412-413.	5.1	1
54	Two opposing sub-populations of fibroblasts decide progression of pancreatic cancer. <i>Cancer Cell</i> , 2021, 39, 1175-1177.	7.7	0