Jacky G Goetz

List of Publications by Year in Descending Order

87 papers	4,008 citations	30 h-index	63 g-index
101 ext. papers	4,910 ext. citations	8.7 avg, IF	5.48 L-index

#	Paper	IF	Citations
87	Core-shell iron oxide@stellate mesoporous silica for combined near-infrared photothermia and drug delivery: Influence of pH and surface chemistry. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 640, 128407	5.1	3
86	Circulating tumor cells: Towards mechanical phenotyping of metastasis.. *IScience*, **2022**, 25, 103969	6.1	1
85	Optimal Physicochemical Properties of Antibody-Nanoparticle Conjugates for Improved Tumor Targeting.. *Advanced Materials*, **2022**, e2110305	24	6
84	Liquid Biopsies: Flowing Biomarkers. *Advances in Experimental Medicine and Biology*, **2022**, 341-368	3.6	0
83	Biomechanics: a driving force behind metastatic progression. *Comptes Rendus - Biologies*, **2021**, 344, 249-262	1.4	
82	Impairing flow-mediated endothelial remodeling reduces extravasation of tumor cells. *Scientific Reports*, **2021**, 11, 13144	4.9	5
81	Fluorescent nanocarriers targeting VCAM-1 for early detection of senescent endothelial cells. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2021**, 34, 102379	6	2
80	Tracking Mechanisms of Viral Dissemination In Vivo. *Trends in Cell Biology*, **2021**, 31, 17-23	18.3	7
79	Mechanical Adaptability of Tumor Cells in Metastasis. *Developmental Cell*, **2021**, 56, 164-179	10.2	22
78	Nanoluminal Signaling Shapes Collective Metastasis. *Trends in Cancer*, **2021**, 7, 9-11	12.5	1
77	Drug-Sponge Lipid Nanocarrier for in Situ Cargo Loading and Release Using Dynamic Covalent Chemistry. *Angewandte Chemie*, **2021**, 133, 6647-6654	3.6	1
76	Drug-Sponge Lipid Nanocarrier for in Situ Cargo Loading and Release Using Dynamic Covalent Chemistry. *Angewandte Chemie - International Edition*, **2021**, 60, 6573-6580	16.4	4
75	Probing Intravascular Adhesion and Extravasation of Tumor Cells with Microfluidics. *Methods in Molecular Biology*, **2021**, 2294, 111-132	1.4	1
74	The NANOTUMOR consortium - Towards the Tumor Cell Atlas. *Biology of the Cell*, **2021**, 113, 272-280	3.5	1
73	Tumor extracellular vesicles drive metastasis (it's a long way from home). *FASEB BioAdvances*, **2021**, 3, 930-943	2.8	7
72	The power of imaging to understand extracellular vesicle biology in vivo. *Nature Methods*, **2021**, 18, 1013-1026	21.6	38
71	Intravital imaging technology guides FAK-mediated priming in pancreatic cancer precision medicine according to Merlin status. *Science Advances*, **2021**, 7, eabh0363	14.3	5

70	Ral GTPases promote breast cancer metastasis by controlling biogenesis and organ targeting of exosomes. *ELife*, **2021**, 10,	8.9	23
69	Nanocomposite Polymer Scaffolds Responding under External Stimuli for Drug Delivery and Tissue Engineering Applications. *Advanced Therapeutics*, **2020**, 3, 1900143	4.9	19
68	Fluids and their mechanics in tumour transit: shaping metastasis. *Nature Reviews Cancer*, **2020**, 20, 107-124	34.3	117
67	Near infra-red light responsive carbon nanotubes@mesoporous silica for photothermia and drug delivery to cancer cells. *Materials Today Chemistry*, **2020**, 17, 100308	6.2	13
66	Visualizing Cancer. *Cancer Cell*, **2020**, 38, 753-756	24.3	3
65	Live tracking of extracellular vesicles in larval zebrafish. *Methods in Enzymology*, **2020**, 645, 243-275	1.7	2
64	Leveraging Immunotherapy with Nanomedicine. *Advanced Therapeutics*, **2020**, 3, 2000134	4.9	1
63	Metastatic Tumor Cells Exploit Their Adhesion Repertoire to Counteract Shear Forces during Intravascular Arrest. *Cell Reports*, **2019**, 28, 2491-2500.e5	10.6	42
62	Zika virus enhances monocyte adhesion and transmigration favoring viral dissemination to neural cells. *Nature Communications*, **2019**, 10, 4430	17.4	41
61	Live Tracking of Inter-organ Communication by Endogenous Exosomes In Vivo. *Developmental Cell*, **2019**, 48, 573-589.e4	10.2	136
60	Studying the Fate of Tumor Extracellular Vesicles at High Spatiotemporal Resolution Using the Zebrafish Embryo. *Developmental Cell*, **2019**, 48, 554-572.e7	10.2	95
59	Wrapped stellate silica nanocomposites as biocompatible luminescent nanoplatforms assessed in vivo. *Journal of Colloid and Interface Science*, **2019**, 542, 469-482	9.3	14
58	Extracellular Vesicles: Catching the Light in Zebrafish. *Trends in Cell Biology*, **2019**, 29, 770-776	18.3	24
57	The Complexities of Metastasis. *Cancers*, **2019**, 11,	6.6	18
56	Membrane Tension Orchestrates Rear Retraction in Matrix-Directed Cell Migration. *Developmental Cell*, **2019**, 51, 460-475.e10	10.2	50
55	Multiscale Imaging of Metastasis in Zebrafish. *Trends in Cancer*, **2019**, 5, 766-778	12.5	20
54	Hemodynamic Forces Tune the Arrest, Adhesion, and Extravasation of Circulating Tumor Cells. *Developmental Cell*, **2018**, 45, 33-52.e12	10.2	135
53	An Arf6- and caveolae-dependent pathway links hemidesmosome remodeling and mechanoresponse. *Molecular Biology of the Cell*, **2018**, 29, 435-451	3.5	17

52	Synergistic Mechano-Chemical Sensing by Vascular Cilia. *Trends in Cell Biology*, **2018**, 28, 507-508	18.3	1
51	Using the Zebrafish Embryo to Dissect the Early Steps of the Metastasis Cascade. *Methods in Molecular Biology*, **2018**, 1749, 195-211	1.4	10
50	The Small GTPase Ral orchestrates MVB biogenesis and exosome secretion. *Small GTPases*, **2018**, 9, 445-451	4.7	27
49	Exploiting Anatomical Landmarks for Efficient In Vivo CLEM. *Trends in Biochemical Sciences*, **2018**, 43, 744-747	10.3	3
48	Laminin 1 orchestrates VEGFA functions in the ecosystem of colorectal carcinoma. *Biology of the Cell*, **2018**, 110, 178	3.5	12
47	CD44 Orchestrates Metastatic Teamwork. *Developmental Cell*, **2018**, 47, 691-693	10.2	5
46	Metastases go with the flow. *Science*, **2018**, 362, 999-1000	33.3	12
45	Combining laser capture microdissection and proteomics reveals an active translation machinery controlling invadosome formation. *Nature Communications*, **2018**, 9, 2031	17.4	23
44	Going live with tumor exosomes and microvesicles. *Cell Adhesion and Migration*, **2017**, 11, 173-186	3.2	24
43	Find your way with X-Ray: Using microCT to correlate in vivo imaging with 3D electron microscopy. *Methods in Cell Biology*, **2017**, 140, 277-301	1.8	24
42	Fluorescent Polymer Nanoparticles for Cell Barcoding In Vitro and In Vivo. *Small*, **2017**, 13, 1701582	11	69
41	Hemodynamic forces can be accurately measured in vivo with optical tweezers. *Molecular Biology of the Cell*, **2017**, 28, 3252-3260	3.5	13
40	Mutations in signal recognition particle SRP54 cause syndromic neutropenia with Shwachman-Diamond-like features. *Journal of Clinical Investigation*, **2017**, 127, 4090-4103	15.9	89
39	Seeing is believing - multi-scale spatio-temporal imaging towards in vivo cell biology. *Journal of Cell Science*, **2017**, 130, 23-38	5.3	46
38	Tracking tumor metastasis in vivo at high-resolution **2016**, 250-251		
37	Integrity of lipid nanocarriers in bloodstream and tumor quantified by near-infrared ratiometric FRET imaging in living mice. *Journal of Controlled Release*, **2016**, 236, 57-67	11.7	65
36	Generating and characterizing the mechanical properties of cell-derived matrices using atomic force microscopy. *Methods*, **2016**, 94, 85-100	4.6	13
35	Fast and precise targeting of single tumor cells in vivo by multimodal correlative microscopy. *Journal of Cell Science*, **2016**, 129, 444-56	5.3	77

34	Inhibition of PlexA1-mediated brain tumor growth and tumor-associated angiogenesis using a transmembrane domain targeting peptide. *Oncotarget*, **2016**, 7, 57851-57865	3.3	20
33	Imaging Single Tumor Cells in Mice Using Multimodal Correlative Microscopy. *Microscopy and Microanalysis*, **2016**, 22, 30-31	0.5	1
32	The microenvironment controls invadosome plasticity. *Journal of Cell Science*, **2016**, 129, 1759-68	5.3	46
31	imaging of skeletal muscle in mice highlights muscle defects in a model of myotubular myopathy. *Intravital*, **2016**, 5, e1168553		7
30	Intravital Correlative Microscopy: Imaging Life at the Nanoscale. *Trends in Cell Biology*, **2016**, 26, 848-863	18.3	67
29	Multicellular cuddling in a stem cell niche. *Cell Adhesion and Migration*, **2015**, 9, 280-2	3.2	
28	A quantitative approach to study endothelial cilia bending stiffness during blood flow mechanodetection in vivo. *Methods in Cell Biology*, **2015**, 127, 161-73	1.8	4
27	RAL-1 controls multivesicular body biogenesis and exosome secretion. *Journal of Cell Biology*, **2015**, 211, 27-37	7.3	130
26	Foreword: physics of cell migration. *Cell Adhesion and Migration*, **2015**, 9, 325-6	3.2	1
25	Metastasis of circulating tumor cells: favorable soil or suitable biomechanics, or both?. *Cell Adhesion and Migration*, **2015**, 9, 345-56	3.2	71
24	Fibrillar cellular fibronectin supports efficient platelet aggregation and procoagulant activity. *Thrombosis and Haemostasis*, **2015**, 114, 1175-88	7	27
23	Using correlative light and electron microscopy to study zebrafish vascular morphogenesis. *Methods in Molecular Biology*, **2015**, 1189, 31-46	1.4	13
22	Correlating intravital multi-photon microscopy to 3D electron microscopy of invading tumor cells using anatomical reference points. *PLoS ONE*, **2014**, 9, e114448	3.7	39
21	Endothelial cilia mediate low flow sensing during zebrafish vascular development. *Cell Reports*, **2014**, 6, 799-808	10.6	149
20	Fluid flows and forces in development: functions, features and biophysical principles. *Development (Cambridge)*, **2012**, 139, 3063-3063	6.6	2
19	Fluid flows and forces in development: functions, features and biophysical principles. *Development (Cambridge)*, **2012**, 139, 1229-45	6.6	97
18	Biomechanical remodeling of the microenvironment by stromal caveolin-1 favors tumor invasion and metastasis. *Cell*, **2011**, 146, 148-63	56.2	499
17	Bidirectional control of the inner dynamics of focal adhesions promotes cell migration. *Cell Adhesion and Migration*, **2009**, 3, 185-90	3.2	22

16	Lattices, rafts, and scaffolds: domain regulation of receptor signaling at the plasma membrane. *Journal of Cell Biology*, **2009**, 185, 381-5	7.3	269
15	The absence of caveolin-1 increases proliferation and anchorage- independent growth by a Rac-dependent, Erk-independent mechanism. *Molecular and Cellular Biology*, **2009**, 29, 5046-59	4.8	67
14	Concerted regulation of focal adhesion dynamics by galectin-3 and tyrosine-phosphorylated caveolin-1. *Journal of Cell Biology*, **2008**, 180, 1261-75	7.3	148
13	Phosphorylated caveolin-1 regulates Rho/ROCK-dependent focal adhesion dynamics and tumor cell migration and invasion. *Cancer Research*, **2008**, 68, 8210-20	10.1	200
12	Caveolin-1 in tumor progression: the good, the bad and the ugly. *Cancer and Metastasis Reviews*, **2008**, 27, 715-35	9.6	238
11	Reversible interactions between smooth domains of the endoplasmic reticulum and mitochondria are regulated by physiological cytosolic Ca2+ levels. *Journal of Cell Science*, **2007**, 120, 3553-64	5.3	57
10	Plasma membrane domain organization regulates EGFR signaling in tumor cells. *Journal of Cell Biology*, **2007**, 179, 341-56	7.3	202
9	Galectin binding to Mgat5-modified N-glycans regulates fibronectin matrix remodeling in tumor cells. *Molecular and Cellular Biology*, **2006**, 26, 3181-93	4.8	158
8	Interaction of the smooth endoplasmic reticulum and mitochondria. *Biochemical Society Transactions*, **2006**, 34, 370-3	5.1	45
7	pH-specific sequestration of phosphoglucose isomerase/autocrine motility factor by fibronectin and heparan sulphate. *Journal of Cell Science*, **2005**, 118, 4175-85	5.3	5
6	The gene product of the gp78/AMFR ubiquitin E3 ligase cDNA is selectively recognized by the 3F3A antibody within a subdomain of the endoplasmic reticulum. *Biochemical and Biophysical Research Communications*, **2004**, 320, 1316-22	3.4	19
5	Studying the fate of tumor extracellular vesicles at high spatio-temporal resolution using the zebrafish embryo		1
4	Laminin 1 orchestrates VEGFA functions in the ecosystem of colorectal carcinoma		1
3	An Arf6- and caveolae-dependent pathway links hemidesmosome remodeling and mechanoresponse		1
2	Hemodynamic forces tune the arrest, adhesion and extravasation of circulating tumor cells		3
1	Live tracking of inter-organ communication by endogenous exosomes in vivo		4