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Year	Titel	Journal
2019	Targeted T1 Magnetic Resonance Imaging Contrast Enhancement with Extraordinarily Small CoFe₂O₄ Nanoparticles	ACS Applied Materials & Interfaces
2019	Survival of Single Positive Thymocytes Depends upon Developmental Control of RIPK1 Kinase Signaling by the IKK Complex Independent of NF-κB	Immunity
2019	The flavonoid 4,4'-dimethoxychalcone promotes autophagy-dependent longevity across species	Nature Communications
2019	Sympathetic nervous system controls resolution of inflammation via regulation of repulsive guidance molecule A	Nature Communications
2018	Epithelial damage and tissue $\gamma\delta$ T cells promote a unique tumor-protective IgE response	Nature Immunology

- 2018 **A Role for p53 in the Adaptation to Glutamine Starvation through the Expression of SLC1A3** Cell Metabolism
- 2018 **Shieldin complex promotes DNA end-joining and counters homologous recombination in BRCA1-null cells** Nature Cell Biology
- 2018 **DSYB catalyses the key step of dimethylsulfoniopropionate biosynthesis in many phytoplankton** Nature Microbiology
- 2018 **Validating the concept of mutational signatures with isogenic cell models** Nature Communications
- 2018 **PI3K δ hyper-activation promotes development of B cells that exacerbate *Streptococcus pneumoniae* infection in an antibody-independent manner** Nature Communications
- 2018 **Oxidized phospholipids regulate amino acid metabolism through MTHFD2 to facilitate nucleotide release in endothelial cells** Nature Communications

2018 MLL-fusion-driven leukemia requires SETD2 to safeguard genomic integrity	Nature Communications
2018 Designer exosomes produced by implanted cells intracerebrally deliver therapeutic cargo for Parkinson's disease treatment	Nature Communications
2018 Designer cells programming quorum-sensing interference with microbes	Nature Communications
2018 Caffeine-inducible gene switches controlling experimental diabetes	Nature Communications
2018 Cold-inducible RNA-binding protein (CIRP) induces translation of the cell-cycle inhibitor p27Kip1	Nucleic Acids Research
2018 A synthetic free fatty acid-regulated transgene switch in mammalian cells and mice	Nucleic Acids Research
2018 IL-7–dependent maintenance of ILC3s is required for normal entry of lymphocytes into lymph nodes	Journal Of Experimental Medicine
2018 Queuosine-modified tRNAs confer nutritional control of protein translation	The EMBO Journal
2018 Direction of flagellum beat propagation is controlled by proximal/distal outer dynein arm asymmetry	Proceedings of the National Academy of Sciences of The United States Of America (PNAS)

- 2018 **Rho kinase inhibitor AT13148 blocks pancreatic ductal adenocarcinoma invasion and tumor growth** **Cancer Research**
- 2018 **Glucocorticoids induce differentiation of monocytes towards macrophages that share functional and phenotypical aspects with erythroblastic island macrophages** **Haematologica**
- 2018 **WASP family proteins and formins compete in pseudopod- and bleb-based migration** **Journal Of Cell Biology**
- 2018 **The kinetoplastid kinetochore protein KKT4 is an unconventional microtubule tip-coupling protein** **Journal Of Cell Biology**

Impact Factor	Link 1	Link 2	Key Words
8,097	10.1021/acsami.8b17162	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6385080/	toxicity of the nanoparticles, HepG2, Nanoparticle-induced oxidative stress,
19,734	10.1016/j.immuni.2019.01.004	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6382466/	Cell concentrations of thymocytes, lymph node and spleen cell
12,353	10.1038/s41467-019-08555-w	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6381180/	clonogenic survival plating, cell death markers in yeast
12,353	<u>Nat Commun. 2019; 10: 633.</u>	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6367413/	PBMC, macrophage, chemokinesis
21,809	<u>Nat Immunol. 2018 Aug; 19(8): 859–870.</u>	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6071860/	Immunology, Tissue Processing, Cell suspension from tissue

- 20,565 Cell Metab. 2018 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6224545/> Growth curves, cell counting, HCT116, OVCAR-4, OVCAR-5, RT4, A2780, A375, SiHa, MDA-MB-468, U2OS, RKO, A549, HEK293T, Phoenix-ECO
- 19,064 Nat Cell Biol. 2018 Aug; 20(8): 954–965. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6145444/> CH12, viability, cell proliferation assay, HEK293T
- 14,174 Nat Microbiol. 2019 Jan 30. doi: 10.1038/s41564-019-0386-9 <https://www.ncbi.nlm.nih.gov/pubmed/30700867> **Phytoplankton**
- 12,353 Nat Commun. 2018; 9: 1744. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5931590/> Knockout cell lines, Knockout cell lines
- 12,353 Nat Commun. 2018; 9: 3174. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6085315/> Splenocytes, Streptococcus pneumoniae
- 12,353 Nat Commun. 2018; 9: 2292. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5997752/> SiRNA transfection, proliferation assay, endothelial cells

- 12,353 Nat Commun. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5959866/> MOLM13, MV4-11, HEL, HL-60, KYO-1, proliferation curves
- 12,353 Nat Commun. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5880805/> HEK-293T, hMSC-TERT, HeLa, human mesenchymal stem cells, Neuro2A cells,
- 12,353 Nat Commun. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5940823/> Caco-2, A549, cell number and viability, Polysciences, Eppelheim
- 12,353 Nat Commun. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6008335/> Cell Viability, HEK-293T, human mesenchymal stem cells (ATCC: SCRC4000, hMSC-hTERT)
- 11,561 Nucleic Acids Res. 2018 Apr 6; <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5888589/> Wild-type (wt) MEFs and p27 knockout, nalyzed in triplicate
- 11,561 Nucleic Acids Res. 2018 Oct 12; 46(18): <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6182168/> BHK-21, CHO-K1, HeLa, HT-1080, Cell number and viabilit
- 10,790 J Exp Med. 2018 Apr 2; 215(4): <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5881462/> thymus, spleen, and mesenteric and peripheral lymph nodes, cell concentration
- 9,792 EMBO J. 2018 Sep 14; 37(18): <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6138434/> HeLa, HCT116, viability
- 9,504 Proc Natl Acad Sci U S A. 2018 Jul 31; 115(31): <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6077732/> *Trypanosoma brucei*, *Leishmania mexicana*, blood parasite

- 9,130 Cancer Res. 2018 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6005347/> TKCC5, HEK293, lentivirus production,
Jun 15; 78(12): 3321–3336.
- 9,090 Haematologica. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5830394/> CD14+ monocytes
2018 Mar; 103(3): 395–405.
- 8,784 J Cell Biol. 2018 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5800805/> Dictyostelium discoideum,
Feb 5; 217(2): 701–714.
- 8,784 J Cell Biol. 2018 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6219724/> Trypanosome brucei, Cell growth
Nov 5; 217(11): 3886–3900.