Stefan Wilhelm

List of Publications by Citations

32 papers	4,866 citations	20 h-index	40 g-index
40 ext. papers	6,260 ext. citations	16 avg, IF	6.17 L-index

#	Paper	IF	Citations
32	Analysis of nanoparticle delivery to tumours. *Nature Reviews Materials*, **2016**, 1,	73.3	2438
31	The entry of nanoparticles into solid tumours. *Nature Materials*, **2020**, 19, 566-575	27	558
30	Quantifying the Ligand-Coated Nanoparticle Delivery to Cancer Cells in Solid Tumors. *ACS Nano*, **2018**, 12, 8423-8435	16.7	287
29	Concepts of nanoparticle cellular uptake, intracellular trafficking, and kinetics in nanomedicine. *Advanced Drug Delivery Reviews*, **2019**, 143, 68-96	18.5	244
28	Upconversion nanoparticles: from hydrophobic to hydrophilic surfaces. *Accounts of Chemical Research*, **2014**, 47, 3481-93	24.3	181
27	Perspectives for Upconverting Nanoparticles. *ACS Nano*, **2017**, 11, 10644-10653	16.7	177
26	Water dispersible upconverting nanoparticles: effects of surface modification on their luminescence and colloidal stability. *Nanoscale*, **2015**, 7, 1403-10	7.7	172
25	Elimination Pathways of Nanoparticles. *ACS Nano*, **2019**, 13, 5785-5798	16.7	161
24	On the issue of transparency and reproducibility in nanomedicine. *Nature Nanotechnology*, **2019**, 14, 629-635	28.7	92
23	Multicolor upconversion nanoparticles for protein conjugation. *Theranostics*, **2013**, 3, 239-48	12.1	80
22	Three-Dimensional Optical Mapping of Nanoparticle Distribution in Intact Tissues. *ACS Nano*, **2016**, 10, 5468-78	16.7	63
21	Three-Dimensional Imaging of Transparent Tissues via Metal Nanoparticle Labeling. *Journal of the American Chemical Society*, **2017**, 139, 9961-9971	16.4	46
20	Nanoparticle Toxicology. *Annual Review of Pharmacology and Toxicology*, **2021**, 61, 269-289	17.9	39
19	Spectrally matched upconverting luminescent nanoparticles for monitoring enzymatic reactions. *ACS Applied Materials & Interfaces*, **2014**, 6, 15427-33	9.5	36
18	Exploring Passive Clearing for 3D Optical Imaging of Nanoparticles in Intact Tissues. *Bioconjugate Chemistry*, **2017**, 28, 253-259	6.3	35
17	Nanoparticle Interactions with the Tumor Microenvironment. *Bioconjugate Chemistry*, **2019**, 30, 2247-2263	4.3	34
16	Reply to Evaluation of nanomedicines: stick to the basics *Nature Reviews Materials*, **2016**, 1,	73.3	29

List of Publications

15	Synthesis of Patient-Specific Nanomaterials. *Nano Letters*, **2019**, 19, 116-123	11.5	26
14	Enzyme-induced modulation of the emission of upconverting nanoparticles: towards a new sensing scheme for glucose. *Biosensors and Bioelectronics*, **2014**, 59, 14-20	11.8	23
13	Passive targeting in nanomedicine: fundamental concepts, body interactions, and clinical potential **2020**, 37-53		21
12	Switching the intracellular pathway and enhancing the therapeutic efficacy of small interfering RNA by auroliposome. *Science Advances*, **2020**, 6, eaba5379	14.3	18
11	Liposome Imaging in Optically Cleared Tissues. *Nano Letters*, **2020**, 20, 1362-1369	11.5	17
10	Exploring Maleimide-Based Nanoparticle Surface Engineering to Control Cellular Interactions. *ACS Applied Nano Materials*, **2020**, 3, 2421-2429	5.6	12
9	Strategies for Delivering Nanoparticles across Tumor Blood Vessels. *Advanced Functional Materials*, **2021**, 31, 2007363	15.6	12
8	Gold nanoparticles inhibit activation of cancer-associated fibroblasts by disrupting communication from tumor and microenvironmental cells. *Bioactive Materials*, **2021**, 6, 326-332	16.7	10
7	Assessing nanoparticle colloidal stability with single-particle inductively coupled plasma mass spectrometry (SP-ICP-MS). *Analytical and Bioanalytical Chemistry*, **2020**, 412, 5205-5216	4.4	9
6	A reagentless enzymatic fluorescent biosensor for glucose based on upconverting glasses, as excitation source, and chemically modified glucose oxidase. *Talanta*, **2016**, 160, 586-591	6.2	9
5	Composite particles with magnetic properties, near-infrared excitation, and far-red emission for luminescence-based oxygen sensing. *Microsystems and Nanoengineering*, **2015**, 1,	7.7	8
4	Nanoparticle Surface Engineering with Heparosan Polysaccharide Reduces Serum Protein Adsorption and Enhances Cellular Uptake.. *Nano Letters*, **2022**,	11.5	7
3	Opto-chemical micro-capillary clocks. *Mikrochimica Acta*, **2010**, 171, 211-216	5.8	4
2	Magnetic nanosensor particles in luminescence upconversion capability. *Angewandte Chemie - International Edition*, **2011**, 50, A59-62	16.4	4
1	Quantifying Chemical Composition and Reaction Kinetics of Individual Colloidally Dispersed Nanoparticles.. *Nano Letters*, **2021**,	11.5	4