Thomas S Van Zanten

List of Publications by Year
in descending order

22 papers	1,307 citations	516710 16 h-index	713466 21 g-index
24 all docs	24 docs citations	24 times ranked	2041 citing authors

#	Article	IF	Citations
1	A plasmonic â€˜antenna-in-boxâ€™ platform for enhanced single-molecule analysis at micromolar concentrations. Nature Nanotechnology, 2013, 8, 512-516.	31.5	297
2	Hotspots of GPI-anchored proteins and integrin nanoclusters function as nucleation sites for cell adhesion. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18557-18562.	7.1	217
3	Integrin Mechano-chemical Signaling Generates Plasma Membrane Nanodomains that Promote Cell Spreading. Cell, 2019, 177, 1738-1756.e23.	28.9	99
4	Direct mapping of nanoscale compositional connectivity on intact cell membranes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15437-15442.	7.1	95
5	Lateral mobility of individual integrin nanoclusters orchestrates the onset for leukocyte adhesion. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4869-4874.	7.1	86
6	Nanoscale Fluorescence Correlation Spectroscopy on Intact Living Cell Membranes with NSOM Probes. Biophysical Journal, 2011, 100, L8-L10.	0.5	75
7	Ultrabright Bowtie Nanoaperture Antenna Probes Studied by Single Molecule Fluorescence. Nano Letters, 2012, 12, 5972-5978.	9.1	74
8	Imaging Individual Proteins and Nanodomains on Intact Cell Membranes with a Probeâ€Based Optical Antenna. Small, 2010, 6, 270-275.	10.0	71
9	A nanometer scale optical view on the compartmentalization of cell membranes. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 777-787.	2.6	48
10	Strategies to target SARS-CoV-2 entry and infection using dual mechanisms of inhibition by acidification inhibitors. PLoS Pathogens, 2021, 17, e1009706.	4.7	42
11	Large-Scale Arrays of Bowtie Nanoaperture Antennas for Nanoscale Dynamics in Living Cell Membranes. Nano Letters, 2015, 15, 4176-4182.	9.1	39
12	Hybrid Photonic Antennas for Subnanometer Multicolor Localization and Nanoimaging of Single Molecules. Nano Letters, 2014, 14, 4895-4900.	9.1	31
13	Chemical and Thermal Stability of Alkylsilane Based Coatings for Membrane Emulsification. Advanced Engineering Materials, 2004, 6, 749-754.	3.5	28
14	Molecular recognition imaging using tuning fork-based transverse dynamic force microscopy. Ultramicroscopy, 2010, 110, 605-611.	1.9	21
15	Current approaches to studying membrane organization. F1000Research, 2015, 4, 1380.	1.6	21
16	PSF decomposition of nanoscopy images via Bayesian analysis unravels distinct molecular organization of the cell membrane. Scientific Reports, 2014, 4, 4354.	3.3	20
17	Biochemical and Imaging Methods to Study Receptor Membrane Organization and Association with Lipid Rafts. Methods in Cell Biology, 2013, 117, 105-122.	1.1	11
18	Poly(ferrocenylsilane)â€blockâ€Polylactide Block Copolymers. Macromolecular Rapid Communications, 2007, 28, 2125-2130.	3.9	9

#	Article	IF	Citations
19	Nanophotonic approaches for nanoscale imaging and singleâ€molecule detection at ultrahigh concentrations. Microscopy Research and Technique, 2014, 77, 537-545.	2.2	8
20	Priming by Chemokines Restricts Lateral Mobility of the Adhesion Receptor LFA-1 and Restores Adhesion to ICAM-1 Nano-Aggregates on Human Mature Dendritic Cells. PLoS ONE, 2014, 9, e99589.	2.5	8
21	Plasma Membrane Nanodomains as an Integrator of Substrate Encoded Mechano-chemical Signals. Biophysical Journal, 2020, 118, 190a.	0.5	1
22	Near-Field Optical Nanoscopy of Biological Membranes. Springer Series on Fluorescence, 2012, , 339-363.	0.8	0