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	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
2	Plasma Membrane Nanodomains as an Integrator of Substrate Encoded Mechano-chemical Signals. Biophysical Journal, 2020, 118, 190a.	0.5	1
3	Integrin Mechano-chemical Signaling Generates Plasma Membrane Nanodomains that Promote Cell Spreading. Cell, 2019, 177, 1738-1756.e23.	28.9	99
4	Current approaches to studying membrane organization. F1000Research, 2015, 4, 1380.	1.6	21
5	Large-Scale Arrays of Bowtie Nanoaperture Antennas for Nanoscale Dynamics in Living Cell Membranes. Nano Letters, 2015, 15, 4176-4182.	9.1	39
6	Nanophotonic approaches for nanoscale imaging and singleâ€molecule detection at ultrahigh concentrations. Microscopy Research and Technique, 2014, 77, 537-545.	2.2	8
7	Hybrid Photonic Antennas for Subnanometer Multicolor Localization and Nanoimaging of Single Molecules. Nano Letters, 2014, 14, 4895-4900.	9.1	31
8	PSF decomposition of nanoscopy images via Bayesian analysis unravels distinct molecular organization of the cell membrane. Scientific Reports, 2014, 4, 4354.	3.3	20
9	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
10	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
11	A plasmonic â€˜antenna-in-boxâ€™ platform for enhanced single-molecule analysis at micromolar concentrations. Nature Nanotechnology, 2013, 8, 512-516.	31.5	297
12	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
13	Ultrabright Bowtie Nanoaperture Antenna Probes Studied by Single Molecule Fluorescence. Nano Letters, 2012, 12, 5972-5978.	9.1	74
14	Near-Field Optical Nanoscopy of Biological Membranes. Springer Series on Fluorescence, 2012, , 339-363.	0.8	0
15	Nanoscale Fluorescence Correlation Spectroscopy on Intact Living Cell Membranes with NSOM Probes. Biophysical Journal, 2011, 100, L8-L10.	0.5	75
16	Molecular recognition imaging using tuning fork-based transverse dynamic force microscopy. Ultramicroscopy, 2010, 110, 605-611.	1.9	21
17	Imaging Individual Proteins and Nanodomains on Intact Cell Membranes with a Probeâ€Based Optical Antenna. Small, 2010, 6, 270-275.	10.0	71
18	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

#	Article	IF	Citations
19	A nanometer scale optical view on the compartmentalization of cell membranes. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 777-787.	2.6	48
20	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
21	Poly(ferrocenylsilane)â€blockâ€Polylactide Block Copolymers. Macromolecular Rapid Communications, 2007, 28, 2125-2130.	3.9	9
22	Chemical and Thermal Stability of Alkylsilane Based Coatings for Membrane Emulsification. Advanced Engineering Materials, 2004, 6, 749-754.	3.5	28