Mark Bates

List of Publications by Year
in descending order

34 papers	14,955 citations	430874 18 h-index	477307 29 g-index
37 all docs	37 docs citations	37 times ranked	14752 citing authors

#	Article	IF	Citations
1	Optimal precision and accuracy in 4Pi-STORM using dynamic spline PSF models. Nature Methods, 2022, 19, 603-612.	19.0	21
2	3D particle averaging and detection of macromolecular symmetry in localization microscopy. Nature Communications, 2021, 12, 2847.	12.8	32
3	Prognostic features of the tumour microenvironment in oesophageal adenocarcinoma. Biochimica Et Biophysica Acta: Reviews on Cancer, 2021, 1876, 188598.	7.4	8
4	The induction of a mesenchymal phenotype by platelet cloaking of cancer cells is a universal phenomenon. Translational Oncology, 2021, 14, 101229.	3.7	6
5	Too MAD or not MAD enough: The duplicitous role of the spindle assembly checkpoint protein MAD2 in cancer. Cancer Letters, 2020, 469, 11-21.	7.2	18
6	FKBPL-based peptide, ALM201, targets angiogenesis and cancer stem cells in ovarian cancer. British Journal of Cancer, 2020, 122, 361-371.	6.4	38
7	YB-1: The key to personalised prostate cancer management?. Cancer Letters, 2020, 490, 66-75.	7.2	13
8	Exposure to tobacco smoke measured by urinary nicotine metabolites increases risk of p16/Ki-67 co-expression and high-grade cervical neoplasia in HPV positive women: A two year prospective study. Cancer Epidemiology, 2020, 68, 101793.	1.9	6
9	The role of the MAD2-TLR4-MyD88 axis in paclitaxel resistance in ovarian cancer. PLoS ONE, 2020, 15, e0243715.	2.5	7
10	Prevalence of tumor BRCA1 and BRCA2 dysfunction in unselected patients with ovarian cancer. Obstetrics and Gynecology Science, 2020, 63, 643-654.	1.6	4
11	The role of the MAD2-TLR4-MyD88 axis in paclitaxel resistance in ovarian cancer. , 2020, 15, e0243715.		0
12	The role of the MAD2-TLR4-MyD88 axis in paclitaxel resistance in ovarian cancer. , 2020, 15, e0243715.		0
13	The role of the MAD2-TLR4-MyD88 axis in paclitaxel resistance in ovarian cancer. , 2020, 15, e0243715.		0
14	The role of the MAD2-TLR4-MyD88 axis in paclitaxel resistance in ovarian cancer. , 2020, 15, e0243715.		0
15	A toolbox of antiâ€"mouse and antiâ€"rabbit IgG secondary nanobodies. Journal of Cell Biology, 2018, 217, 1143-1154.	5.2	111
16	Fluorescent Photoswitchable Diarylethenes for Biolabeling and Single-Molecule Localization Microscopies with Optical Superresolution. Journal of the American Chemical Society, 2017, 139, 6611-6620.	13.7	177
17	MyD88 is an essential component of retinoic acid-induced differentiation in human pluripotent embryonal carcinoma cells. Cell Death and Differentiation, 2017, 24, 1975-1986.	11.2	5
18	Gpufit: An open-source toolkit for GPU-accelerated curve fitting. Scientific Reports, 2017, 7, 15722.	3.3	45

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19	CD10â˜/ALDHâˆ' cells are the sole cisplatin-resistant component of a novel ovarian cancer stem cell hierarchy. Cell Death and Disease, 2017, 8, e3128-e3128.	6.3	14
20	Nanobodies: site-specific labeling for super-resolution imaging, rapid epitope-mapping and native protein complex isolation. ELife, 2015, 4, e11349.	6.0	177
21	The MyD88+ Phenotype Is an Adverse Prognostic Factor in Epithelial Ovarian Cancer. PLoS ONE, 2014, 9, e100816.	2.5	36
22	Stochastic Optical Reconstruction Microscopy (STORM): A Method for Superresolution Fluorescence Imaging. Cold Spring Harbor Protocols, 2013, 2013, pdb.top075143.	0.3	92
23	Preparation of Photoswitchable Labeled Antibodies for STORM Imaging. Cold Spring Harbor Protocols, 2013, 2013, pdb.prot075168.	0.3	15
24	Multicolor Superâ€Resolution Fluorescence Imaging via Multiâ€Parameter Fluorophore Detection. ChemPhysChem, 2012, 13, 99-107.	2.1	137
25	3D Multicolor Super-Resolution Imaging Offers Improved Accuracy in Neuron Tracing. PLoS ONE, 2012, 7, e30826.	2.5	67
26	Evaluation of fluorophores for optimal performance in localization-based super-resolution imaging. Nature Methods, 2011, 8, 1027-1036.	19.0	1,198
27	Mapping Neuronal Connectivity Using Stochastic Optical Reconstruction Microscopy (Storm): The Brainstorm Project. Biophysical Journal, 2010, 98, 214a.	0.5	0
28	Super-Resolution Fluorescence Microscopy. Annual Review of Biochemistry, 2009, 78, 993-1016.	11.1	1,450
29	Super-resolution microscopy by nanoscale localization of photo-switchable fluorescent probes. Current Opinion in Chemical Biology, 2008, 12, 505-514.	6.1	194
30	Three-Dimensional Super-Resolution Imaging by Stochastic Optical Reconstruction Microscopy. Science, 2008, 319, 810-813.	12.6	2,470
31	Multicolor Super-Resolution Imaging with Photo-Switchable Fluorescent Probes. Science, 2007, 317, 1749-1753.	12.6	1,347
32	Sub-diffraction-limit imaging by stochastic optical reconstruction microscopy (STORM). Nature Methods, 2006, 3, 793-796.	19.0	6,819
33	Short-Range Spectroscopic Ruler Based on a Single-Molecule Optical Switch. Physical Review Letters, 2005, 94, 108101.	7.8	308
34	Dynamics of DNA Molecules in a Membrane Channel Probed by Active Control Techniques. Biophysical Journal, 2003, 84, 2366-2372.	0.5	136