

Tony Ng

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138
papers

5,786
citations

38
h-index

74
g-index

149
ext. papers

6,625
ext. citations

7.1
avg, IF

5.11
L-index

#	Paper	IF	Citations
138	Imaging biomarker roadmap for cancer studies. <i>Nature Reviews Clinical Oncology</i> , 2017 , 14, 169-186	19.4	532
137	The SUMO modification pathway is involved in the BRCA1 response to genotoxic stress. <i>Nature</i> , 2009 , 462, 886-90	50.4	326
136	PKCalpha regulates beta1 integrin-dependent cell motility through association and control of integrin traffic. <i>EMBO Journal</i> , 1999 , 18, 3909-23	13	294
135	Imaging protein kinase Calpha activation in cells. <i>Science</i> , 1999 , 283, 2085-9	33.3	278
134	Ezrin is a downstream effector of trafficking PKC-integrin complexes involved in the control of cell motility. <i>EMBO Journal</i> , 2001 , 20, 2723-41	13	226
133	RhoA and RhoC have distinct roles in migration and invasion by acting through different targets. <i>Journal of Cell Biology</i> , 2011 , 193, 655-65	7.3	202
132	A novel PKC-regulated mechanism controls CD44 ezrin association and directional cell motility. <i>Nature Cell Biology</i> , 2002 , 4, 399-407	23.4	201
131	Multiphoton-FLIM quantification of the EGFP-mRFP1 FRET pair for localization of membrane receptor-kinase interactions. <i>Biophysical Journal</i> , 2005 , 88, 1224-37	2.9	174
130	Silencing of EphA3 through a cis interaction with ephrinA5. <i>Nature Neuroscience</i> , 2006 , 9, 322-30	25.5	148
129	Lipid rafts act as specialized domains for tetanus toxin binding and internalization into neurons. <i>Molecular Biology of the Cell</i> , 2001 , 12, 2947-60	3.5	142
128	Imaging proteins in vivo using fluorescence lifetime microscopy. <i>Molecular BioSystems</i> , 2007 , 3, 381-91		108
127	Interaction of fascin and protein kinase Calpha: a novel intersection in cell adhesion and motility. <i>EMBO Journal</i> , 2003 , 22, 5390-402	13	104
126	Site-directed perturbation of protein kinase C- integrin interaction blocks carcinoma cell chemotaxis. <i>Molecular and Cellular Biology</i> , 2002 , 22, 5897-911	4.8	99
125	Coordinated RhoA signaling at the leading edge and uropod is required for T cell transendothelial migration. <i>Journal of Cell Biology</i> , 2010 , 190, 553-63	7.3	98
124	Reduced proliferation and enhanced migration: two sides of the same coin? Molecular mechanisms of metastatic progression by YB-1. <i>Cell Cycle</i> , 2009 , 8, 2901-6	4.7	98
123	Multiphoton time-domain fluorescence lifetime imaging microscopy: practical application to protein-protein interactions using global analysis. <i>Journal of the Royal Society Interface</i> , 2009 , 6,	4.1	96
122	Antagonism of EGFR and HER3 enhances the response to inhibitors of the PI3K-Akt pathway in triple-negative breast cancer. <i>Science Signaling</i> , 2014 , 7, ra29	8.8	93

121	Regulation of protein tyrosine phosphatase 1B by sumoylation. <i>Nature Cell Biology</i> , 2007 , 9, 80-5	23.4	91
120	An unbiased screen identifies DEP-1 tumor suppressor as a phosphatase controlling EGFR endocytosis. <i>Current Biology</i> , 2009 , 19, 1788-98	6.3	90
119	3D super-resolution imaging with blinking quantum dots. <i>Nano Letters</i> , 2013 , 13, 5233-41	11.5	86
118	A high speed multifocal multiphoton fluorescence lifetime imaging microscope for live-cell FRET imaging. <i>Biomedical Optics Express</i> , 2015 , 6, 277-96	3.5	85
117	Spatially distinct binding of Cdc42 to PAK1 and N-WASP in breast carcinoma cells. <i>Molecular and Cellular Biology</i> , 2005 , 25, 1680-95	4.8	84
116	Proapoptotic kinase MST2 coordinates signaling crosstalk between RASSF1A, Raf-1, and Akt. <i>Cancer Research</i> , 2010 , 70, 1195-203	10.1	79
115	A facile route to CdTe nanoparticles and their use in bio-labelling. <i>Journal of Materials Chemistry</i> , 2007 , 17, 1989		79
114	Activated ezrin promotes cell migration through recruitment of the GEF Dbl to lipid rafts and preferential downstream activation of Cdc42. <i>Molecular Biology of the Cell</i> , 2007 , 18, 2935-48	3.5	79
113	High-throughput optical proteomics and breast cancer patient profiling: novel applications to individualise prognosis and treatment. <i>Breast Cancer Research</i> , 2008 , 10,	8.3	78
112	ROR β Innate Lymphoid Cells Promote Lymph Node Metastasis of Breast Cancers. <i>Cancer Research</i> , 2017 , 77, 1083-1096	10.1	71
111	Visualization of Tumor-Immune Interaction - Target-Specific Imaging of S100A8/A9 Reveals Pre-Metastatic Niche Establishment. <i>Theranostics</i> , 2017 , 7, 2392-2401	12.1	58
110	ALIX Regulates Tumor-Mediated Immunosuppression by Controlling EGFR Activity and PD-L1 Presentation. <i>Cell Reports</i> , 2018 , 24, 630-641	10.6	53
109	Acute Immune Signatures and Their Legacies in Severe Acute Respiratory Syndrome Coronavirus-2 Infected Cancer Patients. <i>Cancer Cell</i> , 2021 , 39, 257-275.e6	24.3	50
108	The potential of optical proteomic technologies to individualize prognosis and guide rational treatment for cancer patients. <i>Targeted Oncology</i> , 2009 , 4, 235-52	5	46
107	Macrophages are exploited from an innate wound healing response to facilitate cancer metastasis. <i>Nature Communications</i> , 2018 , 9, 2951	17.4	44
106	How Förster resonance energy transfer imaging improves the understanding of protein interaction networks in cancer biology. <i>ChemPhysChem</i> , 2011 , 12, 442-61	3.2	44
105	Serum lactate dehydrogenase and survival following cancer diagnosis. <i>British Journal of Cancer</i> , 2015 , 113, 1389-96	8.7	43
104	Kinase-mediated quasi-dimers of EGFR. <i>FASEB Journal</i> , 2010 , 24, 4744-55	0.9	43

103	A whole-body dual-modality radionuclide optical strategy for preclinical imaging of metastasis and heterogeneous treatment response in different microenvironments. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 686-94	8.9	41
102	Fluorescence lifetime endoscopy using TCSPC for the measurement of FRET in live cells. <i>Optics Express</i> , 2010 , 18, 11148-58	3.3	41
101	A targeted siRNA screen identifies regulators of Cdc42 activity at the natural killer cell immunological synapse. <i>Science Signaling</i> , 2011 , 4, ra81	8.8	40
100	From autoinhibition to inhibition in trans: the Raf-1 regulatory domain inhibits Rok-alpha kinase activity. <i>Journal of Cell Biology</i> , 2009 , 187, 335-42	7.3	37
99	Stabilized integrin-targeting ternary LPD (lipopolyplex) vectors for gene delivery designed to disassemble within the target cell. <i>Bioconjugate Chemistry</i> , 2009 , 20, 518-32	6.3	37
98	Deficient angiogenesis in redox-dead Cys17Ser PKARI β knock-in mice. <i>Nature Communications</i> , 2015 , 6, 7920	17.4	36
97	Inhibitor-induced HER2-HER3 heterodimerisation promotes proliferation through a novel dimer interface. <i>ELife</i> , 2018 , 7,	8.9	36
96	Two-photon 3D FIONA of individual quantum dots in an aqueous environment. <i>Nano Letters</i> , 2011 , 11, 4074-8	11.5	36
95	Integrating receptor signal inputs that influence small Rho GTPase activation dynamics at the immunological synapse. <i>Molecular and Cellular Biology</i> , 2009 , 29, 2997-3006	4.8	36
94	[F]tetrafluoroborate-PET/CT enables sensitive tumor and metastasis in vivo imaging in a sodium iodide symporter-expressing tumor model. <i>Scientific Reports</i> , 2017 , 7, 946	4.9	35
93	satFRET: estimation of F β ster resonance energy transfer by acceptor saturation. <i>European Biophysics Journal</i> , 2008 , 38, 69-82	1.9	34
92	Integrin-Mediated Macrophage Adhesion Promotes Lymphovascular Dissemination in Breast Cancer. <i>Cell Reports</i> , 2019 , 27, 1967-1978.e4	10.6	33
91	Time-lapse FRET microscopy using fluorescence anisotropy. <i>Journal of Microscopy</i> , 2010 , 237, 51-62	1.9	33
90	Effect of phosphorylation on EGFR dimer stability probed by single-molecule dynamics and FRET/FLIM. <i>Biophysical Journal</i> , 2015 , 108, 1013-26	2.9	31
89	Quantification of HER family receptors in breast cancer. <i>Breast Cancer Research</i> , 2015 , 17, 53	8.3	30
88	NMR metabolomics of MTLn3E breast cancer cells identifies a role for CXCR4 in lipid and choline regulation. <i>Journal of Proteome Research</i> , 2012 , 11, 2996-3003	5.6	30
87	The use of molecular imaging combined with genomic techniques to understand the heterogeneity in cancer metastasis. <i>British Journal of Radiology</i> , 2014 , 87, 20140065	3.4	28
86	The ErbB4 CYT2 variant protects EGFR from ligand-induced degradation to enhance cancer cell motility. <i>Science Signaling</i> , 2014 , 7, ra78	8.8	28

85	Time-domain microfluidic fluorescence lifetime flow cytometry for high-throughput Förster resonance energy transfer screening. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015 , 87, 104-18	4.6	27
84	Integrin-protein kinase C relationships. <i>Biochemical Society Transactions</i> , 2003 , 31, 90-3	5.1	27
83	INNOVATE: A prospective cohort study combining serum and urinary biomarkers with novel diffusion-weighted magnetic resonance imaging for the prediction and characterization of prostate cancer. <i>BMC Cancer</i> , 2016 , 16, 816	4.8	26
82	A cellular screening assay using analysis of metal-modified fluorescence lifetime. <i>Biophysical Journal</i> , 2010 , 98, 2752-7	2.9	24
81	A multi-functional imaging approach to high-content protein interaction screening. <i>PLoS ONE</i> , 2012 , 7, e33231	3.7	23
80	Investigating the association between allergen-specific immunoglobulin E, cancer risk and survival. <i>Oncolmmunology</i> , 2016 , 5, e1154250	7.2	23
79	DART: Denoising Algorithm based on Relevance network Topology improves molecular pathway activity inference. <i>BMC Bioinformatics</i> , 2011 , 12, 403	3.6	22
78	HER2-HER3 dimer quantification by FLIM-FRET predicts breast cancer metastatic relapse independently of HER2 IHC status. <i>Oncotarget</i> , 2016 , 7, 51012-51026	3.3	22
77	A role for the pseudokinase HER3 in the acquired resistance against EGFR- and HER2-directed targeted therapy. <i>Biochemical Society Transactions</i> , 2014 , 42, 831-6	5.1	20
76	Time-correlated single-photon counting fluorescence lifetime confocal imaging of decayed and sound dental structures with a white-light supercontinuum source. <i>Journal of Microscopy</i> , 2007 , 225, 126-36	1.9	20
75	Association between hypoxic volume and underlying hypoxia-induced gene expression in oropharyngeal squamous cell carcinoma. <i>British Journal of Cancer</i> , 2017 , 116, 1057-1064	8.7	19
74	Serum leptin, C-reactive protein, and cancer mortality in the NHANES III. <i>Cancer Medicine</i> , 2016 , 5, 120-8	4.8	19
73	c-Met PET Imaging Detects Early-Stage Locoregional Recurrence of Basal-Like Breast Cancer. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 765-70	8.9	17
72	An active Src kinase-beta-actin association is linked to actin dynamics at the periphery of colon cancer cells. <i>Experimental Cell Research</i> , 2007 , 313, 3175-88	4.2	17
71	Plasmon-Assisted Super-Resolution Axial Distance Sensitivity in Fluorescence Cell Imaging. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 3402-3406	6.4	16
70	Breast cancer-associated macrophages promote tumorigenesis by suppressing succinate dehydrogenase in tumor cells. <i>Science Signaling</i> , 2020 , 13,	8.8	16
69	In Vivo Imaging of Pro- and Antitumoral Cellular Components of the Tumor Microenvironment. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 183-188	8.9	16
68	Pleiotropic Role and Bidirectional Immunomodulation of Innate Lymphoid Cells in Cancer. <i>Frontiers in Immunology</i> , 2019 , 10, 3111	8.4	14

67	Feedback activation of HER3 attenuates response to EGFR inhibitors in colon cancer cells. <i>Oncotarget</i> , 2017 , 8, 4277-4288	3.3	14
66	Lipopolyplex ternary delivery systems incorporating C14 glycerol-based lipids. <i>Molecular Pharmaceutics</i> , 2011 , 8, 1831-47	5.6	14
65	T Cell Costimulation by Derivatives of Benzoic Acid. <i>Antiviral Chemistry and Chemotherapy</i> , 1997 , 8, 121-130	3.9	14
64	Warfarin-induced skin necrosis associated with Factor V Leiden and protein S deficiency. <i>International Journal of Laboratory Hematology</i> , 2001 , 23, 261-4		14
63	Crosstalk between Innate Lymphoid Cells and Other Immune Cells in the Tumor Microenvironment. <i>Journal of Immunology Research</i> , 2016 , 2016, 7803091	4.5	14
62	C2c: turning cancer into chronic disease. <i>Genome Medicine</i> , 2014 , 6, 38	14.4	12
61	Probing the Heterogeneity of Protein Kinase Activation in Cells by Super-resolution Microscopy. <i>ACS Nano</i> , 2017 , 11, 249-257	16.7	12
60	The challenges of integrating molecular imaging into the optimization of cancer therapy. <i>Integrative Biology (United Kingdom)</i> , 2011 , 3, 603-31	3.7	12
59	Differential activation of the PI 3-kinase effectors AKT/PKB and p70 S6 kinase by compound 48/80 is mediated by PKC α . <i>Cellular Signalling</i> , 2007 , 19, 321-9	4.9	12
58	Intraperitoneal rituximab: an effective measure to control recurrent abdominal ascites due to non-Hodgkin's lymphoma. <i>Annals of Hematology</i> , 2002 , 81, 405-6	3	11
57	Intracellular coupling of adhesion receptors: molecular proximity measurements. <i>Methods in Cell Biology</i> , 2002 , 69, 261-78	1.8	11
56	Detecting intratumoral heterogeneity of EGFR activity by liposome-based in vivo transfection of a fluorescent biosensor. <i>Oncogene</i> , 2017 , 36, 3618-3628	9.2	10
55	Apoptin interacts with and regulates the activity of protein kinase C beta in cancer cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015 , 20, 831-42	5.4	10
54	Toward operative in vivo fluorescence imaging of the c-Met proto-oncogene for personalization of therapy in ovarian cancer. <i>Cancer</i> , 2015 , 121, 202-13	6.4	10
53	MET-EGFR dimerization in lung adenocarcinoma is dependent on EGFR mtations and altered by MET kinase inhibition. <i>PLoS ONE</i> , 2017 , 12, e0170798	3.7	10
52	Precision medicine for prostate cancer. <i>Expert Review of Anticancer Therapy</i> , 2014 , 14, 1305-15	3.5	10
51	Imaging tumour heterogeneity of the consequences of a PKC β substrate interaction in breast cancer patients. <i>Biochemical Society Transactions</i> , 2014 , 42, 1498-505	5.1	10
50	Memory effects in biochemical networks as the natural counterpart of extrinsic noise. <i>Journal of Theoretical Biology</i> , 2014 , 357, 245-67	2.3	10

49	Radiation therapy and the innate immune response: Clinical implications for immunotherapy approaches. <i>British Journal of Clinical Pharmacology</i> , 2020 , 86, 1726-1735	3.8	9
48	Imaging protein-protein interactions by multiphoton FLIM 2003 ,		9
47	Catastrophic arterial thromboembolism associated with factor V Leiden. <i>European Journal of Vascular and Endovascular Surgery</i> , 2000 , 19, 551-3	2.3	9
46	Steady-state acceptor fluorescence anisotropy imaging under evanescent excitation for visualisation of FRET at the plasma membrane. <i>PLoS ONE</i> , 2014 , 9, e110695	3.7	9
45	Multifocal multiphoton microscopy with adaptive optical correction 2013 ,		7
44	Lipid chain geometry of C14 glycerol-based lipids: effect on lipoplex structure and transfection. <i>Molecular BioSystems</i> , 2011 , 7, 422-36		7
43	Visualisation of signalling in immune cells. <i>Methods in Molecular Biology</i> , 2010 , 616, 97-113	1.4	7
42	HER2-HER3 Heterodimer Quantification by FRET-FLIM and Patient Subclass Analysis of the COIN Colorectal Trial. <i>Journal of the National Cancer Institute</i> , 2020 , 112, 944-954	9.7	7
41	Associations of C-Reactive Protein, Granulocytes and Granulocyte-to-Lymphocyte Ratio with Mortality from Breast Cancer in Non-Institutionalized American Women. <i>PLoS ONE</i> , 2016 , 11, e0157482	3.7	7
40	Profiling the immune stromal interface in breast cancer and its potential for clinical impact. <i>Breast Care</i> , 2012 , 7, 273-80	2.4	6
39	Integrin signalling defects in T-lymphocytes in systemic lupus erythematosus. <i>Lupus</i> , 1999 , 8, 39-51	2.6	6
38	A small molecule inhibitor of HER3: a proof-of-concept study. <i>Biochemical Journal</i> , 2020 , 477, 3329-3347	3.8	6
37	Localising occult prostate cancer metastasis with advanced imaging techniques (LOCATE trial): a prospective cohort, observational diagnostic accuracy trial investigating whole-body magnetic resonance imaging in radio-recurrent prostate cancer. <i>BMC Medical Imaging</i> , 2019 , 19, 90	2.9	6
36	Erythrocyte sedimentation rate, plasma viscosity and C-reactive protein in clinical practice. <i>British Journal of Hospital Medicine</i> , 1997 , 58, 521-3		6
35	The Gray Institute open microscopes applied to radiobiology and protein interaction studies 2014 ,		5
34	Deep-tissue multiphoton fluorescence lifetime microscopy for intravital imaging of protein-protein interactions 2009 ,		5
33	Colchicine: an effective treatment for refractory malignant pericardial effusion. <i>Acta Haematologica</i> , 2000 , 104, 217-9	2.7	5
32	Integrating imaging, exosome and protein network rewiring information to track early tumour evolution of resistance mechanisms. <i>Convergent Science Physical Oncology</i> , 2017 , 3, 013004		4

31	Functional implications of assigned, assumed and assembled PKC structures. <i>Biochemical Society Transactions</i> , 2014 , 42, 35-41	5.1	4
30	Complex interrelationships between nitro-alkene-dependent inhibition of soluble epoxide hydrolase, inflammation and tumor growth. <i>Redox Biology</i> , 2020 , 29, 101405	11.3	4
29	Gene expression modules in primary breast cancers as risk factors for organotropic patterns of first metastatic spread: a case control study. <i>Breast Cancer Research</i> , 2017 , 19, 113	8.3	3
28	Desensitization of the inflammatory response in humans: changes in response to cardiopulmonary bypass. <i>Shock</i> , 1997 , 8, 159-64	3.4	3
27	Kinase-mediated quasi-dimers of EGFR. <i>FASEB Journal</i> , 2010 , 24, 4744-4755	0.9	3
26	Fluorescence axial nanotomography with plasmonics. <i>Faraday Discussions</i> , 2015 , 178, 371-81	3.6	2
25	Using adaptive optics for deep in-vivo multiphoton FLIM 2011 ,		2
24	Separation and maintenance of primary T- and B-lymphocytes. <i>Methods in Molecular Biology</i> , 1997 , 75, 91-100	1.4	2
23	Non-caseating granulomata associated with hypocellular myelodysplastic syndrome. <i>Leukemia and Lymphoma</i> , 2000 , 39, 397-403	1.9	2
22	Macrophages orchestrate the expansion of a proangiogenic perivascular niche during cancer progression. <i>Science Advances</i> , 2021 , 7, eabg9518	14.3	2
21	Introduction to the National Cancer Imaging Translational Accelerator (NCITA): a UK-wide infrastructure for multicentre clinical translation of cancer imaging biomarkers. <i>British Journal of Cancer</i> , 2021 , 125, 1462-1465	8.7	2
20	Osimertinib and anti-HER3 combination therapy engages immune dependent tumor toxicity via STING activation in trans.. <i>Cell Death and Disease</i> , 2022 , 13, 274	9.8	2
19	BRCA1 mutations and luminal-basal transformation. <i>Oncogene</i> , 2013 , 32, 2712-4	9.2	1
18	T6 MET targeted therapy in Lung adenocarcinoma: Does Resistant EGFR make a MET-responsive dimer?. <i>Thorax</i> , 2015 , 70, A3.2-A5	7.3	1
17	New regulators of the BRCA1 response to genotoxic stress. <i>Breast Cancer Research</i> , 2010 , 12,	8.3	1
16	A high-content screening platform utilizing polarization anisotropy and FLIM microscopy 2008 ,		1
15	Time-resolved multiphoton imaging of the interaction between the PKC and the NF κ B signalling pathways 2003 , 5139, 216		1
14	Macrophages orchestrate the expansion of a pro-angiogenic perivascular niche during cancer progression		1

13	Stratifying Cancer Therapies by Molecular Interactions and Imaging 2017 , 315-358		1
12	Evaluation of PSA and PSA Density in a Multiparametric Magnetic Resonance Imaging-Directed Diagnostic Pathway for Suspected Prostate Cancer: The INNOVATE Trial. <i>Cancers</i> , 2021 , 13,	6.6	1
11	Systemic immune reaction in axillary lymph nodes adds to tumor-infiltrating lymphocytes in triple-negative breast cancer prognostication. <i>Npj Breast Cancer</i> , 2021 , 7, 86	7.8	1
10	An In-Depth Review of Niraparib in Ovarian Cancer: Mechanism of Action, Clinical Efficacy and Future Directions. <i>Oncology and Therapy</i> , 2021 , 9, 347-364	2.7	1
9	Insights Into Unveiling a Potential Role of Tertiary Lymphoid Structures in Metastasis. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 661516	5.6	1
8	Use of acceptor fluorescence for determining FRET lifetimes 2003 , 5139, 88		0
7	Drug delivery, biodistribution and anti-EGFR activity: theragnostic nanoparticles for simultaneous delivery of tyrosine kinase inhibitors and kinase activity biosensors. <i>Nanoscale</i> , 2021 , 13, 18520-18535	7.7	0
6	In vivo imaging of microenvironmental and anti-PD-L1-mediated dynamics in cancer using S100A8/S100A9 as an imaging biomarker.. <i>Neoplasia</i> , 2022 , 28, 100792	6.4	0
5	Direct Response Analysis in cellular signalling networks. <i>Journal of Theoretical Biology</i> , 2012 , 304, 219-253		0.3
4	Scanning total internal reflection fluorescence imaging 2006 , 6089, 41		
3	Protein kinase C. <i>Biochemical Society Transactions</i> , 2001 , 29, A104-A104	5.1	
2	The use of molecular imaging combined with genomic techniques to understand the heterogeneity in cancer metastasis. <i>BJR case Reports</i> , 2014 , 1, 20140065	0.7	
1	Coordinated RhoA signaling at the leading edge and uropod is required for T cell transendothelial migration. <i>Journal of Experimental Medicine</i> , 2010 , 207, i25-i25	16.6	