

# Robert F Bonner

## List of Publications by Year in descending order

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37  
papers

4,627  
citations

279798

23  
h-index

361022

35  
g-index

37  
all docs

37  
docs citations

37  
times ranked

3955  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling Photo-Bleaching Kinetics to Create High Resolution Maps of Rod Rhodopsin in the Human Retina. PLoS ONE, 2015, 10, e0131881.	2.5	5
2	Immunoguided Microdissection Techniques. Methods in Molecular Biology, 2011, 755, 57-66.	0.9	10
3	Expression microdissection adapted to commercial laser dissection instruments. Nature Protocols, 2011, 6, 457-467.	12.0	30
4	Nonlinear gene cluster analysis with labeling for microarray gene expression data in organ development. BMC Proceedings, 2011, 5, S3.	1.6	7
5	Analysis of Temporal-spatial Co-variation within Gene Expression Microarray Data in an Organogenesis Model. Lecture Notes in Computer Science, 2010, , 38-49.	1.3	4
6	Expression profiling during ocular development identifies 2 <i>Nlz</i> genes with a critical role in optic fissure closure. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1462-1467.	7.1	67
7	Tumor-associated endothelial cells display GSTP1 and RARbeta2 promoter methylation in human prostate cancer. Journal of Translational Medicine, 2006, 4, 13.	4.4	36
8	Histological staining methods preparatory to laser capture microdissection significantly affect the integrity of the cellular RNA. BMC Genomics, 2006, 7, 97.	2.8	66
9	Assessment of Gene Expression in Head and Neck Carcinoma Using Laser Capture Microdissection and Real-Time Reverse Transcription Polymerase Chain Reaction. Laryngoscope, 2004, 114, 2123-2128.	2.0	7
10	Expression Microdissection. Diagnostic Molecular Pathology, 2004, 13, 207-212.	2.1	54
11	A model of spectral filtering to reduce photochemical damage in age-related macular degeneration. Transactions of the American Ophthalmological Society, 2004, 102, 83-93; discussion 93-5.	1.4	16
12	A Preservation Method That Allows Recovery of Intact RNA from Tissues Dissected by Laser Capture Microdissection. Analytical Biochemistry, 2002, 300, 139-145.	2.4	38
13	Post-analysis follow-up and validation of microarray experiments. Nature Genetics, 2002, 32, 509-514.	21.4	397
14	Molecular Profiling of Clinical Tissue Specimens. American Journal of Pathology, 2000, 156, 1109-1115.	3.8	84
15	Molecular Profiling of Clinical Tissue Specimens. Journal of Molecular Diagnostics, 2000, 2, 60-66.	2.8	54
16	Visible-light photon migration through myocardium in vivo. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H698-H704.	3.2	34
17	An instrument for performing laser capture microdissection of single cells. Review of Scientific Instruments, 1999, 70, 4377-4385.	1.3	5
18	A comparison of the cutaneous microvascular properties of the Spontaneously Hypertensive rat and the Wistar-Kyoto rat. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1999, 122, 399-406.	1.8	11

#	ARTICLE	IF	CITATIONS
19	Laser-capture microdissection: opening the microscopic frontier to molecular analysis. Trends in Genetics, 1998, 14, 272-276.	6.7	436
20	Thermal modeling of Laser Capture Microdissection. Applied Optics, 1998, 37, 7378.	2.1	29
21	The Microvascular Composition of the Healing Wound Compared at Skin Sites with Nutritive versus Arteriovenous Perfusion. Journal of Surgical Research, 1998, 80, 373-379.	1.6	14
22	The Relationship of Laser Doppler Skin Blood Flow Measurements to the Cutaneous Microvascular Anatomy. Microvascular Research, 1998, 55, 3-13.	2.5	35
23	Laser Capture Microdissection (LCM) and the Future of Molecular Pathology. , 1998, , .		1
24	Laser Capture Microdissection. Science, 1996, 274, 998-1001.	12.6	2,352
25	In Vivo human atherosclerotic plaque recognition by laser-excited fluorescence spectroscopy. Journal of the American College of Cardiology, 1991, 17, 160-168.	2.8	30
26	Principles of Laser-Doppler Flowmetry. Developments in Cardiovascular Medicine, 1990, , 17-45.	0.1	125
27	Laser Sources for Angioplasty. Developments in Cardiovascular Medicine, 1990, , 31-44.	0.1	12
28	Statistics of Penetration Depth of Photons Re-emitted from Irradiated Tissue. Journal of Modern Optics, 1989, 36, 349-359.	1.3	107
29	Measurement of multiple microcirculatory parameters in human nasal mucosa using laser-doppler velocimetry. Microvascular Research, 1989, 38, 175-185.	2.5	21
30	A Random Walk Theory of Time-Resolved Optical Absorption Spectroscopy in Tissue. , 1989, , 11-23.		4
31	Human arterial surface fluorescence: Atherosclerotic plaque identification and effects of laser atheroma ablation. Journal of the American College of Cardiology, 1988, 12, 94-102.	2.8	111
32	Intraoperative measurement of cortical blood flow adjacent to cerebral AVM using laser Doppler velocimetry. Journal of Neurosurgery, 1987, 66, 396-399.	1.6	130
33	Periodic Microcirculatory Flow in Patients with Sickle-Cell Disease. New England Journal of Medicine, 1984, 311, 1534-1538.	27.0	146
34	Threshold for Retinal Damage Associated with the use of High-Power Neodymium-Yag Lasers in the Vitreous. American Journal of Ophthalmology, 1983, 96, 153-159.	3.3	54
35	Phototransection of Vitreal Membranes with the Carbon Dioxide Laser in Rabbits. Ophthalmology, 1983, 90, 563-568.	5.2	37
36	Retinal Irradiance from Vitrectomy Endoilluminators. American Journal of Ophthalmology, 1982, 94, 26-29.	3.3	47

#	ARTICLE	IF	CITATIONS
37	Yellow Filter to Decrease the Risk of Light Damage to the Retina During Vitrectomy. American Journal of Ophthalmology, 1982, 94, 677.	3.3	11