Richard M Levenson

List of Publications by Year
in descending order

52 papers	7,038 citations	304602 22 h-index	197736 49 g-index
55 all docs	55 docs citations	55 times ranked	11523 citing authors

#	Article	IF	Citations
1	In vivo cancer targeting and imaging with semiconductor quantum dots. Nature Biotechnology, 2004, 22, 969-976.	9.4	4,460
2	Multiplexed ion beam imaging of human breast tumors. Nature Medicine, 2014, 20, 436-442.	15.2	881
3	Multispectral imaging in biology and medicine: Slices of life. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2006, 69A, 748-758.	1.1	230
4	Microscopy with ultraviolet surface excitation for rapid slide-free histology. Nature Biomedical Engineering, 2017, 1, 957-966.	11.6	183
5	Non-invasive image acquisition and advanced processing in optical bioimaging. Computerized Medical Imaging and Graphics, 1998, 22, 89-102.	3.5	101
6	Immunohistochemistry and mass spectrometry for highly multiplexed cellular molecular imaging. Laboratory Investigation, 2015, 95, 397-405.	1.7	94
7	An international multicenter study to evaluate reproducibility of automated scoring for assessment of Ki67 in breast cancer. Modern Pathology, 2019, 32, 59-69.	2.9	78
8	Pigeons (Columba livia) as Trainable Observers of Pathology and Radiology Breast Cancer Images. PLoS ONE, 2015, 10, e0141357.	1.1	77
9	Imaging of multiple mRNA targets using quantum dot based in situ hybridization and spectral deconvolution in clinical biopsies. Biochemical and Biophysical Research Communications, 2006, 348, 628-636.	1.0	73
10	Multiplexing with Multispectral Imaging: From Mice to Microscopy. ILAR Journal, 2008, 49, 78-88.	1.8	65
11	Visualization of Microscopyâ€Based Spectral Imaging Data from Multiâ€Label Tissue Sections. Current Protocols in Molecular Biology, 2008, 84, Unit 14.19.	2.9	61
12	Beyond autophagy: a novel role for autism-linked Wdfy3 in brain mitophagy. Scientific Reports, 2018, 8, 11348.	1.6	45
13	Semiautomated Multiplexed Quantum Dot-Based in Situ Hybridization and Spectral Deconvolution. Journal of Molecular Diagnostics, 2007, 9, 20-29.	1.2	42
14	Multispectral imaging and pathology: seeing and doing more. Expert Opinion on Medical Diagnostics, 2008, 2, 1067-1081.	1.6	40
15	In Vivo Stable Tumor-Specific Painting in Various Colors Using Dehalogenase-Based Protein-Tag Fluorescent Ligands. Bioconjugate Chemistry, 2009, 20, 1367-1374.	1.8	40
16	Ex Vivo Microscopy: A Promising Next-Generation Digital Microscopy Tool for Surgical Pathology Practice. Archives of Pathology and Laboratory Medicine, 2019, 143, 1058-1068.	1.2	38
17	Spectral Imaging and Pathology: Seeing More. Laboratory Medicine, 2004, 35, 244-251.	0.8	37
18	Banff Digital Pathology Working Group: Going digital in transplant pathology. American Journal of Transplantation, 2020, 20, 2392-2399.	2.6	36

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19	Early BAFF receptor blockade mitigates murine SjÃ¶gren's syndrome: Concomitant targeting of CXCL13 and the BAFF receptor prevents salivary hypofunction. Clinical Immunology, 2016, 164, 85-94.	1.4	34
20	Pocket MUSE: an affordable, versatile and high-performance fluorescence microscope using a smartphone. Communications Biology, 2021, 4, 334.	2.0	33
21	Dynamic in vivo interactions among Myc network members. Oncogene, 2001, 20, 4650-4664.	2.6	30
22	Detection of malignancy in cytology specimens using spectralâ€“spatial analysis. Laboratory Investigation, 2005, 85, 1555-1564.	1.7	29
23	A collagen film microassay for tissue collagenase. Analytical Biochemistry, 1976, 76, 579-588.	1.1	24
24	Giant two-dimensional gel electrophoresis: Methodological update and comparison with intermediate-format gel systems. Electrophoresis, 1990, 11, 269-279.	1.3	22
25	Identification of Focal Viral Infections by Confocal Microscopy for Subsequent Ultrastructural Analysis. Ultrastructural Pathology, 1997, 21, 183-193.	0.4	21
26	Microscopy with ultraviolet surface excitation (MUSE): A novel approach to realâ€time inexpensive slideâ€free dermatopathology. Journal of Cutaneous Pathology, 2018, 45, 498-503.	0.7	21
27	Low-cost two-dimensional gel densitometry. Analytical Biochemistry, 1986, 158, 294-301.	1.1	19
28	Modern Trends in Imaging X: Spectral Imaging in Preclinical Research and Clinical Pathology. Analytical Cellular Pathology, 2012, 35, 339-361.	0.7	19
29	Microscopy with UV Surface Excitation (MUSE) for slide-free histology and pathology imaging. Proceedings of SPIE, 2015, , .	0.8	19
30	Dual-mode emission and transmission microscopy for virtual histochemistry using hematoxylin- and eosin-stained tissue sections. Biomedical Optics Express, 2019, 10, 6516.	1.5	18
31	Systematically higher Ki67 scores on core biopsy samples compared to corresponding resection specimen in breast cancer: a multi-operator and multi-institutional study. Modern Pathology, 2022, 35, 1362-1369.	2.9	18
32	High-speed spectral nanocytology for early cancer screening. Journal of Biomedical Optics, 2013, 18, 117002.	1.4	17
33	Spectral imaging in preclinical research and clinical pathology. Analytical Cellular Pathology, 2012, 35, 339-61.	0.7	14
34	Putting the â€œMoreâ€•Back in Morphology: Spectral Imaging and Image Analysis in the Service of Pathology. Archives of Pathology and Laboratory Medicine, 2008, 132, 748-757.	1.2	14
35	Distinguished photons: increased contrast with multispectral in vivo fluorescence imaging. BioTechniques, 2005, 39, S33-S37.	0.8	13
36	Multispectral analysis tools can increase utility of RGB color images in histology. Journal of Optics (United Kingdom), 2018, 20, 044007.	1.0	13

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37	Real-time polarization microscopy of fibrillar collagen in histopathology. Scientific Reports, 2021, 11, 19063.	1.6	12
38	Slide Over. American Journal of Pathology, 2022, 192, 180-194.	1.9	10
39	Machine-Learningâ€"Based Evaluation of Intratumoral Heterogeneity and Tumor-Stroma Interface for Clinical Guidance. American Journal of Pathology, 2021, 191, 1724-1731.	1.9	8
40	Postâ€contrast myocardial T₁ and ECV disagree in a longitudinal canine study. NMR in Biomedicine, 2014, 27, 988-995.	1.6	7
41	Artificial Intelligence in Pathology. American Journal of Pathology, 2021, 191, 1670-1672.	1.9	7
42	Real-time pathology through in vivo microscopy. Studies in Health Technology and Informatics, 2013, 185, 235-64.	0.2	7
43	Stimulation of amniotic fluid cell growth by cartilage growth factor. American Journal of Medical Genetics Part A, 1980, 6, 107-111.	2.4	6
44	Spectral imaging in preclinical research and clinical pathology. Studies in Health Technology and Informatics, 2013, 185, 43-75.	0.2	6
45	Real-time, High-resolution, In Vivo Characterization of Superficial Skin With Microscopy Using Ultraviolet Surface Excitation (MUSE). Journal of Drugs in Dermatology, 2016, 15, 1344-1346.	0.4	4
46	3D imaging of the vagus nerve fascicular anatomy with cryo-imaging and UV excitation. , 2021, 11649, .		3
47	New Technologies to Image Tumors. Cancer Treatment and Research, 2020, 180, 51-94.	0.2	2
48	Imaging peripheral nerve micro-anatomy with MUSE, 2D and 3D approaches. Scientific Reports, 2022, 12, .	1.6	2
49	Beyond brightfield: a possible future of slide scanners. BioTechniques, 2021, 70, 5-6.	0.8	1
50	CoreView: fresh tissue biopsy assessment at the bedside using a millifluidic imaging chip. Lab on A Chip, 2022, 22, 1354-1364.	3.1	1
51	MUSE nearly instant slide-free microscopy â€" plus bonus: getting special-stain results from H&E-stained slides. Journal of Histotechnology, 2018, 41, 139-139.	0.2	0
52	3D Histology of Tissue using Vibrating Microtome Block- Face Imaging and MUSE Microscopy (3D) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		0