

Richard M Levenson

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

7,038
citations

304743

22
h-index

197818

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. <i>Nature Biotechnology</i> , 2004, 22, 969-976.	17.5	4,460
2	Multiplexed ion beam imaging of human breast tumors. <i>Nature Medicine</i> , 2014, 20, 436-442.	30.7	881
3	Multispectral imaging in biology and medicine: Slices of life. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2006, 69A, 748-758.	1.5	230
4	Microscopy with ultraviolet surface excitation for rapid slide-free histology. <i>Nature Biomedical Engineering</i> , 2017, 1, 957-966.	22.5	183
5	Non-invasive image acquisition and advanced processing in optical bioimaging. <i>Computerized Medical Imaging and Graphics</i> , 1998, 22, 89-102.	5.8	101
6	Immunohistochemistry and mass spectrometry for highly multiplexed cellular molecular imaging. <i>Laboratory Investigation</i> , 2015, 95, 397-405.	3.7	94
7	An international multicenter study to evaluate reproducibility of automated scoring for assessment of Ki67 in breast cancer. <i>Modern Pathology</i> , 2019, 32, 59-69.	5.5	78
8	Pigeons (<i>Columba livia</i>) as Trainable Observers of Pathology and Radiology Breast Cancer Images. <i>PLoS ONE</i> , 2015, 10, e0141357.	2.5	77
9	Imaging of multiple mRNA targets using quantum dot based in situ hybridization and spectral deconvolution in clinical biopsies. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 628-636.	2.1	73
10	Multiplexing with Multispectral Imaging: From Mice to Microscopy. <i>ILAR Journal</i> , 2008, 49, 78-88.	1.8	65
11	Visualization of Microscopy-Based Spectral Imaging Data from Multi-Label Tissue Sections. <i>Current Protocols in Molecular Biology</i> , 2008, 84, Unit 14.19.	2.9	61
12	Beyond autophagy: a novel role for autism-linked Wdfy3 in brain mitophagy. <i>Scientific Reports</i> , 2018, 8, 11348.	3.3	45
13	Semiautomated Multiplexed Quantum Dot-Based in Situ Hybridization and Spectral Deconvolution. <i>Journal of Molecular Diagnostics</i> , 2007, 9, 20-29.	2.8	42
14	Multispectral imaging and pathology: seeing and doing more. <i>Expert Opinion on Medical Diagnostics</i> , 2008, 2, 1067-1081.	1.6	40
15	<i>In Vivo</i> Stable Tumor-Specific Painting in Various Colors Using Dehalogenase-Based Protein-Tag Fluorescent Ligands. <i>Bioconjugate Chemistry</i> , 2009, 20, 1367-1374.	3.6	40
16	Ex Vivo Microscopy: A Promising Next-Generation Digital Microscopy Tool for Surgical Pathology Practice. <i>Archives of Pathology and Laboratory Medicine</i> , 2019, 143, 1058-1068.	2.5	38
17	Spectral Imaging and Pathology: Seeing More. <i>Laboratory Medicine</i> , 2004, 35, 244-251.	1.2	37
18	Banff Digital Pathology Working Group: Going digital in transplant pathology. <i>American Journal of Transplantation</i> , 2020, 20, 2392-2399.	4.7	36

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19	Early BAFF receptor blockade mitigates murine Sjögren's syndrome: Concomitant targeting of CXCL13 and the BAFF receptor prevents salivary hypofunction. <i>Clinical Immunology</i> , 2016, 164, 85-94.	3.2	34
20	Pocket MUSE: an affordable, versatile and high-performance fluorescence microscope using a smartphone. <i>Communications Biology</i> , 2021, 4, 334.	4.4	33
21	Dynamic in vivo interactions among Myc network members. <i>Oncogene</i> , 2001, 20, 4650-4664.	5.9	30
22	Detection of malignancy in cytology specimens using spectral spatial analysis. <i>Laboratory Investigation</i> , 2005, 85, 1555-1564.	3.7	29
23	A collagen film microassay for tissue collagenase. <i>Analytical Biochemistry</i> , 1976, 76, 579-588.	2.4	24
24	Giant two-dimensional gel electrophoresis: Methodological update and comparison with intermediate-format gel systems. <i>Electrophoresis</i> , 1990, 11, 269-279.	2.4	22
25	Identification of Focal Viral Infections by Confocal Microscopy for Subsequent Ultrastructural Analysis. <i>Ultrastructural Pathology</i> , 1997, 21, 183-193.	0.9	21
26	Microscopy with ultraviolet surface excitation (MUSE): A novel approach to real-time inexpensive slide-free dermatopathology. <i>Journal of Cutaneous Pathology</i> , 2018, 45, 498-503.	1.3	21
27	Low-cost two-dimensional gel densitometry. <i>Analytical Biochemistry</i> , 1986, 158, 294-301.	2.4	19
28	Modern Trends in Imaging X: Spectral Imaging in Preclinical Research and Clinical Pathology. <i>Analytical Cellular Pathology</i> , 2012, 35, 339-361.	1.4	19
29	Microscopy with UV Surface Excitation (MUSE) for slide-free histology and pathology imaging. <i>Proceedings of SPIE</i> , 2015, , .	0.8	19
30	Dual-mode emission and transmission microscopy for virtual histochemistry using hematoxylin- and eosin-stained tissue sections. <i>Biomedical Optics Express</i> , 2019, 10, 6516.	2.9	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. <i>Modern Pathology</i> , 2022, 35, 1362-1369.	5.5	18
32	High-speed spectral nanocytology for early cancer screening. <i>Journal of Biomedical Optics</i> , 2013, 18, 117002.	2.6	17
33	Spectral imaging in preclinical research and clinical pathology. <i>Analytical Cellular Pathology</i> , 2012, 35, 339-61.	1.4	14
34	Putting the "More" Back in Morphology: Spectral Imaging and Image Analysis in the Service of Pathology. <i>Archives of Pathology and Laboratory Medicine</i> , 2008, 132, 748-757.	2.5	14
35	Distinguished photons: increased contrast with multispectral in vivo fluorescence imaging. <i>BioTechniques</i> , 2005, 39, S33-S37.	1.8	13
36	Multispectral analysis tools can increase utility of RGB color images in histology. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 044007.	2.2	13

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37	Real-time polarization microscopy of fibrillar collagen in histopathology. <i>Scientific Reports</i> , 2021, 11, 19063.	3.3	12
38	Slide Over. <i>American Journal of Pathology</i> , 2022, 192, 180-194.	3.8	10
39	Machine-Learning-Based Evaluation of Intratumoral Heterogeneity and Tumor-Stroma Interface for Clinical Guidance. <i>American Journal of Pathology</i> , 2021, 191, 1724-1731.	3.8	8
40	Post-contrast myocardial T ₁ and ECV disagree in a longitudinal canine study. <i>NMR in Biomedicine</i> , 2014, 27, 988-995.	2.8	7
41	Artificial Intelligence in Pathology. <i>American Journal of Pathology</i> , 2021, 191, 1670-1672.	3.8	7
42	Real-time pathology through in vivo microscopy. <i>Studies in Health Technology and Informatics</i> , 2013, 185, 235-64.	0.3	7
43	Stimulation of amniotic fluid cell growth by cartilage growth factor. <i>American Journal of Medical Genetics Part A</i> , 1980, 6, 107-111.	2.4	6
44	Spectral imaging in preclinical research and clinical pathology. <i>Studies in Health Technology and Informatics</i> , 2013, 185, 43-75.	0.3	6
45	Real-time, High-resolution, In Vivo Characterization of Superficial Skin With Microscopy Using Ultraviolet Surface Excitation (MUSE). <i>Journal of Drugs in Dermatology</i> , 2016, 15, 1344-1346.	0.8	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. <i>Cancer Treatment and Research</i> , 2020, 180, 51-94.	0.5	2
48	Imaging peripheral nerve micro-anatomy with MUSE, 2D and 3D approaches. <i>Scientific Reports</i> , 2022, 12, .	3.3	2
49	Beyond brightfield: a possible future of slide scanners. <i>BioTechniques</i> , 2021, 70, 5-6.	1.8	1
50	CoreView: fresh tissue biopsy assessment at the bedside using a millifluidic imaging chip. <i>Lab on A Chip</i> , 2022, 22, 1354-1364.	6.0	1
51	MUSE nearly instant slide-free microscopy plus bonus: getting special-stain results from H&E-stained slides. <i>Journal of Histotechnology</i> , 2018, 41, 139-139.	0.5	0
52	3D Histology of Tissue using Vibrating Microtome Block- Face Imaging and MUSE Microscopy (3D) Tj ETQq0 0 0 rgBT /Overlogk 10 Tf 50		