

Richard M Levenson

List of Publications by Year in descending order

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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	Slide Over. American Journal of Pathology, 2022, 192, 180-194.	3.8	10
2	CoreView: fresh tissue biopsy assessment at the bedside using a millifluidic imaging chip. Lab on A Chip, 2022, 22, 1354-1364.	6.0	1
3	Imaging peripheral nerve micro-anatomy with MUSE, 2D and 3D approaches. Scientific Reports, 2022, 12, .	3.3	2
4	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.	5.5	18
5	Pocket MUSE: an affordable, versatile and high-performance fluorescence microscope using a smartphone. Communications Biology, 2021, 4, 334.	4.4	33
6	3D imaging of the vagus nerve fascicular anatomy with cryo-imaging and UV excitation. , 2021, 11649, .		3
7	Real-time polarization microscopy of fibrillar collagen in histopathology. Scientific Reports, 2021, 11, 19063.	3.3	12
8	Machine-Learningâ€‘Based Evaluation of Intratumoral Heterogeneity and Tumor-Stroma Interface for Clinical Guidance. American Journal of Pathology, 2021, 191, 1724-1731.	3.8	8
9	Artificial Intelligence in Pathology. American Journal of Pathology, 2021, 191, 1670-1672.	3.8	7
10	Beyond brightfield: a possible future of slide scanners. BioTechniques, 2021, 70, 5-6.	1.8	1
11	3D Histology of Tissue using Vibrating Microtome Block- Face Imaging and MUSE Microscopy (3D) Tj ETQq1 1 0.784314 rgBT ₀ /Overlook		
12	Banff Digital Pathology Working Group: Going digital in transplant pathology. American Journal of Transplantation, 2020, 20, 2392-2399.	4.7	36
13	New Technologies to Image Tumors. Cancer Treatment and Research, 2020, 180, 51-94.	0.5	2
14	An international multicenter study to evaluate reproducibility of automated scoring for assessment of Ki67 in breast cancer. Modern Pathology, 2019, 32, 59-69.	5.5	78
15	Ex Vivo Microscopy: A Promising Next-Generation Digital Microscopy Tool for Surgical Pathology Practice. Archives of Pathology and Laboratory Medicine, 2019, 143, 1058-1068.	2.5	38
16	Dual-mode emission and transmission microscopy for virtual histochemistry using hematoxylin- and eosin-stained tissue sections. Biomedical Optics Express, 2019, 10, 6516.	2.9	18
17	Multispectral analysis tools can increase utility of RGB color images in histology. Journal of Optics (United Kingdom), 2018, 20, 044007.	2.2	13
18	Microscopy with ultraviolet surface excitation (MUSE): A novel approach to realâ€‘time inexpensive slideâ€‘free dermatopathology. Journal of Cutaneous Pathology, 2018, 45, 498-503.	1.3	21

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19	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
20	Beyond autophagy: a novel role for autism-linked Wdfy3 in brain mitophagy. <i>Scientific Reports</i> , 2018, 8, 11348.	3.3	45
21	Microscopy with ultraviolet surface excitation for rapid slide-free histology. <i>Nature Biomedical Engineering</i> , 2017, 1, 957-966.	22.5	183
22	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
23	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
24	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
25	Immunohistochemistry and mass spectrometry for highly multiplexed cellular molecular imaging. <i>Laboratory Investigation</i> , 2015, 95, 397-405.	3.7	94
26	Microscopy with UV Surface Excitation (MUSE) for slide-free histology and pathology imaging. <i>Proceedings of SPIE</i> , 2015, . .	0.8	19
27	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
28	Multiplexed ion beam imaging of human breast tumors. <i>Nature Medicine</i> , 2014, 20, 436-442.	30.7	881
29	High-speed spectral nanocytology for early cancer screening. <i>Journal of Biomedical Optics</i> , 2013, 18, 117002.	2.6	17
30	Spectral imaging in preclinical research and clinical pathology. <i>Studies in Health Technology and Informatics</i> , 2013, 185, 43-75.	0.3	6
31	Real-time pathology through in vivo microscopy. <i>Studies in Health Technology and Informatics</i> , 2013, 185, 235-64.	0.3	7
32	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
33	Spectral imaging in preclinical research and clinical pathology. <i>Analytical Cellular Pathology</i> , 2012, 35, 339-61.	1.4	14
34	In Vivo 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
35	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
36	Multispectral imaging and pathology: seeing and doing more. <i>Expert Opinion on Medical Diagnostics</i> , 2008, 2, 1067-1081.	1.6	40

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37	Multiplexing with Multispectral Imaging: From Mice to Microscopy. <i>ILAR Journal</i> , 2008, 49, 78-88.	1.8	65
38	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
39	Semiautomated Multiplexed Quantum Dot-Based in Situ Hybridization and Spectral Deconvolution. <i>Journal of Molecular Diagnostics</i> , 2007, 9, 20-29.	2.8	42
40	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
41	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
42	Detection of malignancy in cytology specimens using spectral "spatial analysis. <i>Laboratory Investigation</i> , 2005, 85, 1555-1564.	3.7	29
43	Distinguished photons: increased contrast with multispectral in vivo fluorescence imaging. <i>BioTechniques</i> , 2005, 39, S33-S37.	1.8	13
44	Spectral Imaging and Pathology: Seeing More. <i>Laboratory Medicine</i> , 2004, 35, 244-251.	1.2	37
45	In vivo cancer targeting and imaging with semiconductor quantum dots. <i>Nature Biotechnology</i> , 2004, 22, 969-976.	17.5	4,460
46	Dynamic in vivo interactions among Myc network members. <i>Oncogene</i> , 2001, 20, 4650-4664.	5.9	30
47	Non-invasive image acquisition and advanced processing in optical bioimaging. <i>Computerized Medical Imaging and Graphics</i> , 1998, 22, 89-102.	5.8	101
48	Identification of Focal Viral Infections by Confocal Microscopy for Subsequent Ultrastructural Analysis. <i>Ultrastructural Pathology</i> , 1997, 21, 183-193.	0.9	21
49	Giant two-dimensional gel electrophoresis: Methodological update and comparison with intermediate-format gel systems. <i>Electrophoresis</i> , 1990, 11, 269-279.	2.4	22
50	Low-cost two-dimensional gel densitometry. <i>Analytical Biochemistry</i> , 1986, 158, 294-301.	2.4	19
51	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
52	A collagen film microassay for tissue collagenase. <i>Analytical Biochemistry</i> , 1976, 76, 579-588.	2.4	24