

# Kevin W Eliceiri

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

280 papers	80,549 citations	60 h-index	283 g-index
310 ext. papers	107,667 ext. citations	5.6 avg, IF	8.4 L-index

#	Paper	IF	Citations
280	2020 BioImage Analysis Survey: Community experiences and needs for the future. <b>2022</b> , 1,		3
279	A Model of Discovery: The Role of Imaging Established and Emerging Non-mammalian Models in Neuroscience.. <i>Frontiers in Molecular Neuroscience</i> , <b>2022</b> , 15, 867010	6.1	0
278	HIV RGB: Automated Single-Cell Analysis of HIV-1 Rev-Dependent RNA Nuclear Export and Translation Using Image Processing in KNIME. <i>Viruses</i> , <b>2022</b> , 14, 903	6.2	1
277	Dual-stream Multiple Instance Learning Network for Whole Slide Image Classification with Self-supervised Contrastive Learning.. <i>IEEE Computer Society Conference on Computer Vision and Pattern Recognition Workshops</i> , <b>2021</b> , 2021, 14318-14328	1.3	29
276	Mammary collagen architecture and its association with mammographic density and lesion severity among women undergoing image-guided breast biopsy. <i>Breast Cancer Research</i> , <b>2021</b> , 23, 105	8.3	1
275	Introduction to the Biophotonics Congress 2020 feature issue. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 509-519		
274	Pycro-Manager: open-source software for customized and reproducible microscope control. <i>Nature Methods</i> , <b>2021</b> , 18, 226-228	21.6	17
273	Ellipsoid Zone Defects in Retinal Vein Occlusion Correlates With Visual Acuity Prognosis: SCORE2 Report 14. <i>Translational Vision Science and Technology</i> , <b>2021</b> , 10, 31	3.3	2
272	A device for the controlled cooling and freezing of excised plant specimens during magnetic resonance imaging. <i>Plant Methods</i> , <b>2021</b> , 17, 41	5.8	0
271	Hyperpolarized C Magnetic Resonance Spectroscopic Imaging of Pyruvate Metabolism in Murine Breast Cancer Models of Different Metastatic Potential. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	1
270	Open-source deep-learning software for bioimage segmentation. <i>Molecular Biology of the Cell</i> , <b>2021</b> , 32, 823-829	3.5	21
269	Developing open-source software for bioimage analysis: opportunities and challenges. <i>F1000Research</i> , <b>2021</b> , 10, 302	3.6	3
268	Joint regression-classification deep learning framework for analyzing fluorescence lifetime images using NADH and FAD. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 2703-2719	3.5	2
267	ImageJ and CellProfiler: Complements in Open-Source Bioimage Analysis. <i>Current Protocols</i> , <b>2021</b> , 1, e89		5
266	Rhesus monkeys as a translational model for late-onset Alzheimer's disease. <i>Aging Cell</i> , <b>2021</b> , 20, e13374.9		1
265	The ImageJ ecosystem: Open-source software for image visualization, processing, and analysis. <i>Protein Science</i> , <b>2021</b> , 30, 234-249	6.3	22
264	Evaluating the effectiveness of a lower extremity venous phantom on developing ultrasound examination skills and confidence. <i>Ultrasound</i> , <b>2021</b> , 29, 18-26	1.3	0

263	Collagen Organization in Relation to Ductal Carcinoma Pathology and Outcomes. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2021</b> , 30, 80-88	4	8
262	Modeling early thermal injury using an ex vivo human skin model of contact burns. <i>Burns</i> , <b>2021</b> , 47, 611-620	5	5
261	Response to letter to the editor on "The use of human ex vivo models in burn research - Developments and perspectives". <i>Burns</i> , <b>2021</b> , 47, 968-969	2.3	
260	Single image super-resolution for whole slide image using convolutional neural networks and self-supervised color normalization. <i>Medical Image Analysis</i> , <b>2021</b> , 68, 101938	15.4	6
259	Microstructure and resident cell-types of the feline optic nerve head resemble that of humans. <i>Experimental Eye Research</i> , <b>2021</b> , 202, 108315	3.7	3
258	Challenges of conducting quantitative ultrasound with a multimodal optical imaging system. <i>Physics in Medicine and Biology</i> , <b>2021</b> , 66, 035008	3.8	
257	Navigating the Collagen Jungle: The Biomedical Potential of Fiber Organization in Cancer. <i>Bioengineering</i> , <b>2021</b> , 8,	5.3	12
256	Harnessing non-destructive 3D pathology. <i>Nature Biomedical Engineering</i> , <b>2021</b> , 5, 203-218	19	12
255	Hyperdimensional Imaging Contrast Using an Optical Fiber. <i>Sensors</i> , <b>2021</b> , 21,	3.8	1
254	Cultured cardiac fibroblasts and myofibroblasts express Sushi Containing Domain 2 and assemble a unique fibronectin rich matrix. <i>Experimental Cell Research</i> , <b>2021</b> , 399, 112489	4.2	0
253	New Extensibility and Scripting Tools in the ImageJ Ecosystem. <i>Current Protocols</i> , <b>2021</b> , 1, e204		0
252	Real-time polarization microscopy of fibrillar collagen in histopathology. <i>Scientific Reports</i> , <b>2021</b> , 11, 19063	4.9	2
251	Open Source Remote Monitoring of Research Lasers. <i>Optics and Laser Technology</i> , <b>2021</b> , 143, 107363-107363	4.6	
250	Measuring the spatial distribution of multiply scattered light using a de-scanned image sensor for examining retinal structure contrast. <i>Optics Express</i> , <b>2021</b> , 29, 552-563	3.3	1
249	STRUCTURED CORRELATION DETECTION WITH APPLICATION TO COLOCALIZATION ANALYSIS IN DUAL-CHANNEL FLUORESCENCE MICROSCOPIC IMAGING.. <i>Statistica Sinica</i> , <b>2021</b> , 31, 333-360	0.7	3
248	3-D-Printed Registration Phantom for Combined Ultrasound and Optical Imaging of Biological Tissues. <i>Ultrasound in Medicine and Biology</i> , <b>2020</b> , 46, 1808-1814	3.5	2
247	Abstract 18: Augmentation of the Wisconsin Blue-Blood Chicken Thigh Model with Fluorescent Imaging Enhances the Assessment of Anastomotic Patency in Supermicrosurgical Training. <i>Plastic and Reconstructive Surgery - Global Open</i> , <b>2020</b> , 8, 10-11	1.2	
246	A syringe adapter for reduced muscular strain and fatigue. <i>Applied Ergonomics</i> , <b>2020</b> , 85, 103061	4.2	0

245	Molecular and Functional Networks Linked to Sarcopenia Prevention by Caloric Restriction in Rhesus Monkeys. <i>Cell Systems</i> , <b>2020</b> , 10, 156-168.e5	10.6	15
244	Fibrillar Collagen Quantification With Curvelet Transform Based Computational Methods. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 198	5.8	11
243	Integration of the ImageJ Ecosystem in the KNIME Analytics Platform. <i>Frontiers in Computer Science</i> , <b>2020</b> , 2,	3.4	14
242	A semi-automated machine-learning based workflow for ellipsoid zone analysis in eyes with macular edema: SCORE2 pilot study. <i>PLoS ONE</i> , <b>2020</b> , 15, e0232494	3.7	5
241	Quantifying Fibrillar Collagen Organization with Curvelet Transform-Based Tools. <i>Journal of Visualized Experiments</i> , <b>2020</b> ,	1.6	3
240	Metabolic mapping of glioblastoma stem cells reveals NADH fluxes associated with glioblastoma phenotype and survival. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25, 1-13	3.5	5
239	Microglia activation visualization via fluorescence lifetime imaging microscopy of intrinsically fluorescent metabolic cofactors. <i>Neurophotonics</i> , <b>2020</b> , 7, 035003	3.9	3
238	Intensity-based registration of bright-field and second-harmonic generation images of histopathology tissue sections. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 160-173	3.5	10
237	Quantitative phase imaging of stromal prognostic markers in pancreatic ductal adenocarcinoma. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 1354-1364	3.5	15
236	Platform for quantitative multiscale imaging of tissue composition. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 1927-1946	3.5	3
235	Parallel multiphoton excited fabrication of tissue engineering scaffolds using a diffractive optical element. <i>Optics Express</i> , <b>2020</b> , 28, 2744-2757	3.3	4
234	FLIMJ: An open-source ImageJ toolkit for fluorescence lifetime image data analysis. <i>PLoS ONE</i> , <b>2020</b> , 15, e0238327	3.7	6
233	TRIM32 cooperates with glycolytic enzymes to promote cell growth. <i>ELife</i> , <b>2020</b> , 9,	8.9	10
232	Citrullination regulates wound responses and tissue regeneration in zebrafish. <i>Journal of Cell Biology</i> , <b>2020</b> , 219,	7.3	4
231	Machine Learning Methods for Fluorescence Lifetime Imaging (FLIM) Based Label-Free Detection of Microglia. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 931	5.1	9
230	Evolution of ischemia and neovascularization in a murine model of full thickness human wound healing. <i>Wound Repair and Regeneration</i> , <b>2020</b> , 28, 812-822	3.6	4
229	Distinct Tissue Damage and Microbial Cues Drive Neutrophil and Macrophage Recruitment to Thermal Injury. <i>IScience</i> , <b>2020</b> , 23, 101699	6.1	7
228	Second Harmonic Generation Imaging of Collagen in Chronically Implantable Electrodes in Brain Tissue. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 95	5.1	4

227	Non-disruptive collagen characterization in clinical histopathology using cross-modality image synthesis. <i>Communications Biology</i> , <b>2020</b> , 3, 414	6.7	10
226	Optical imaging of collagen fiber damage to assess thermally injured human skin. <i>Wound Repair and Regeneration</i> , <b>2020</b> , 28, 848-855	3.6	7
225	Recovery and Regrowth After Nerve Repair: A Systematic Analysis of Four Repair Techniques. <i>Journal of Surgical Research</i> , <b>2020</b> , 251, 311-320	2.5	3
224	FLIMJ: An open-source ImageJ toolkit for fluorescence lifetime image data analysis <b>2020</b> , 15, e0238327		
223	FLIMJ: An open-source ImageJ toolkit for fluorescence lifetime image data analysis <b>2020</b> , 15, e0238327		
222	FLIMJ: An open-source ImageJ toolkit for fluorescence lifetime image data analysis <b>2020</b> , 15, e0238327		
221	FLIMJ: An open-source ImageJ toolkit for fluorescence lifetime image data analysis <b>2020</b> , 15, e0238327		
220	Shedding Light <b>2019</b> ,		1
219	Quantitative second harmonic generation imaging of leporine, canine, and porcine vocal fold collagen. <i>Laryngoscope</i> , <b>2019</b> , 129, 2549-2556	3.6	
218	Transglutaminase-2 Mediates the Biomechanical Properties of the Colorectal Cancer Tissue Microenvironment that Contribute to Disease Progression. <i>Cancers</i> , <b>2019</b> , 11,	6.6	8
217	A multiscale Mueller polarimetry module for a stereo zoom microscope. <i>Biomedical Engineering Letters</i> , <b>2019</b> , 9, 339-349	3.6	3
216	Scientific Community Image Forum: A discussion forum for scientific image software. <i>PLoS Biology</i> , <b>2019</b> , 17, e3000340	9.7	10
215	Coding Scheme Optimization for Fast Fluorescence Lifetime Imaging. <i>ACM Transactions on Graphics</i> , <b>2019</b> , 38, 1-16	7.6	3
214	Collagen organization of renal cell carcinoma differs between low and high grade tumors. <i>BMC Cancer</i> , <b>2019</b> , 19, 490	4.8	19
213	Spatially Adaptive Colocalization Analysis in Dual-Color Fluorescence Microscopy. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> ,	8.7	6
212	Cortex-wide neural interfacing via transparent polymer skulls. <i>Nature Communications</i> , <b>2019</b> , 10, 1500	17.4	28
211	A Novel Anisotropy Imaging Technique for NAD(P)H Autofluorescence. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 1246-1247	0.5	1
210	ImageJ for the Next Generation of Scientific Image Data. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 142-143	3.5	7

209	An Investigation Into the Challenges of Using Metal Additive Manufacturing for the Production of Patient-Specific Aneurysm Clips. <i>Journal of Medical Devices, Transactions of the ASME</i> , <b>2019</b> , 13,	1.3	1
208	Mammographic density: intersection of advocacy, science, and clinical practice. <i>Current Breast Cancer Reports</i> , <b>2019</b> , 11, 100-110	0.8	0
207	PGC-1a integrates a metabolism and growth network linked to caloric restriction. <i>Aging Cell</i> , <b>2019</b> , 18, e12999	9.9	8
206	Quantitative Histopathology of Stained Tissues using Color Spatial Light Interference Microscopy (cSLIM). <i>Scientific Reports</i> , <b>2019</b> , 9, 14679	4.9	13
205	NAD(P)H fluorescence lifetime measurements in fixed biological tissues. <i>Methods and Applications in Fluorescence</i> , <b>2019</b> , 7, 044005	3.1	7
204	Super-resolution recurrent convolutional neural networks for learning with multi-resolution whole slide images. <i>Journal of Biomedical Optics</i> , <b>2019</b> , 24, 1-15	3.5	10
203	Optical fiber-based dispersion for spectral discrimination in fluorescence lifetime imaging systems. <i>Journal of Biomedical Optics</i> , <b>2019</b> , 25, 1-17	3.5	1
202	Nonparametric empirical Bayesian framework for fluorescence-lifetime imaging microscopy. <i>Biomedical Optics Express</i> , <b>2019</b> , 10, 5497-5517	3.5	8
201	Distinct inflammatory and wound healing responses to complex caudal fin injuries of larval zebrafish. <i>ELife</i> , <b>2019</b> , 8,	8.9	35
200	Author response: Distinct inflammatory and wound healing responses to complex caudal fin injuries of larval zebrafish <b>2019</b> ,		2
199	Fluorescence lifetime-based intrinsic metabolic signatures of microglia cell (Conference Presentation) <b>2019</b> ,		2
198	Optimization of interstrand interactions enables burn detection with a collagen-mimetic peptide. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 9906-9912	3.9	10
197	A novel bioreactor for combined magnetic resonance spectroscopy and optical imaging of metabolism in 3D cell cultures. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 81, 3379-3391	4.4	8
196	Impact of tissue preservation on collagen fiber architecture. <i>Biotechnic and Histochemistry</i> , <b>2019</b> , 94, 134-144	1.8	5
195	Autofluorescence lifetime imaging of cellular metabolism: Sensitivity toward cell density, pH, intracellular, and intercellular heterogeneity. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2019</b> , 95, 56-69	4.6	28
194	Automated and Robust Quantification of Colocalization in Dual-Color Fluorescence Microscopy: A Nonparametric Statistical Approach. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> , 27, 622-636	8.7	9
193	The Presence of Cyclooxygenase 2, Tumor-Associated Macrophages, and Collagen Alignment as Prognostic Markers for Invasive Breast Carcinoma Patients. <i>American Journal of Pathology</i> , <b>2018</b> , 188, 559-573	5.8	42
192	An open source, 3D printed preclinical MRI phantom for repeated measures of contrast agents and reference standards. <i>Biomedical Physics and Engineering Express</i> , <b>2018</b> , 4,	1.5	2

191	Chemically Derived Kirigami of WSe. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 10980-10987	16.4	23
190	Syndecan-1 induction in lung microenvironment supports the establishment of breast tumor metastases. <i>Breast Cancer Research</i> , <b>2018</b> , 20, 66	8.3	23
189	Void spot assay procedural optimization and software for rapid and objective quantification of rodent voiding function, including overlapping urine spots. <i>American Journal of Physiology - Renal Physiology</i> , <b>2018</b> , 315, F1067-F1080	4.3	21
188	Neighborhood regularized image superresolution for applications to microscopic imaging <b>2018</b> ,		1
187	Changes in Cutaneous Gene Expression after Microvascular Free Tissue Transfer in Parry-Romberg Syndrome. <i>Plastic and Reconstructive Surgery</i> , <b>2018</b> , 142, 303e-309e	2.7	5
186	Review of quantitative multiscale imaging of breast cancer. <i>Journal of Medical Imaging</i> , <b>2018</b> , 5, 010901	2.6	10
185	Collagen Alignment as a Predictor of Recurrence after Ductal Carcinoma. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2018</b> , 27, 138-145	4	59
184	Convolutional neural networks for whole slide image superresolution. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 5368-5386	3.5	10
183	Imaging the Cardiac Extracellular Matrix. <i>Advances in Experimental Medicine and Biology</i> , <b>2018</b> , 1098, 21-44	3.6	8
182	Targeted matrisome analysis identifies thrombospondin-2 and tenascin-C in aligned collagen stroma from invasive breast carcinoma. <i>Scientific Reports</i> , <b>2018</b> , 8, 12941	4.9	36
181	FunImageJ: a Lisp framework for scientific image processing. <i>Bioinformatics</i> , <b>2018</b> , 34, 899-900	7.2	5
180	GSK3 $\beta$ Regulates Brain Energy Metabolism. <i>Cell Reports</i> , <b>2018</b> , 23, 1922-1931.e4	10.6	32
179	Imaging Vacuolar Anthocyanins with Fluorescence Lifetime Microscopy (FLIM). <i>Methods in Molecular Biology</i> , <b>2018</b> , 1789, 131-141	1.4	3
178	Damage-induced reactive oxygen species regulate and dynamic collagen-based projections to mediate wound repair. <i>ELife</i> , <b>2018</b> , 7,	8.9	32
177	Neuroendocrine Tumor-Targeted Upconversion Nanoparticle-Based Micelles for Simultaneous NIR-Controlled Combination Chemotherapy and Photodynamic Therapy, and Fluorescence Imaging. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604671	15.6	116
176	Beyond the margins: real-time detection of cancer using targeted fluorophores. <i>Nature Reviews Clinical Oncology</i> , <b>2017</b> , 14, 347-364	19.4	245
175	Elevated collagen-I augments tumor progressive signals, intravasation and metastasis of prolactin-induced estrogen receptor alpha positive mammary tumor cells. <i>Breast Cancer Research</i> , <b>2017</b> , 19, 9	8.3	64
174	Aging and caloric restriction impact adipose tissue, adiponectin, and circulating lipids. <i>Aging Cell</i> , <b>2017</b> , 16, 497-507	9.9	59



173	Enriching Islet Phospholipids With Eicosapentaenoic Acid Reduces Prostaglandin E Signaling and Enhances Diabetic $\beta$ Cell Function. <i>Diabetes</i> , <b>2017</b> , 66, 1572-1585	0.9	25
172	Complex and Noncentrosymmetric Stacking of Layered Metal Dichalcogenide Materials Created by Screw Dislocations. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 3496-3504	16.4	60
171	Stromal alterations in ovarian cancers via wavelength dependent Second Harmonic Generation microscopy and optical scattering. <i>BMC Cancer</i> , <b>2017</b> , 17, 102	4.8	19
170	Quantitating the cell: turning images into numbers with ImageJ. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , <b>2017</b> , 6, e260	5.9	66
169	Selected mitochondrial DNA landscapes activate the SIRT3 axis of the UPR to promote metastasis. <i>Oncogene</i> , <b>2017</b> , 36, 4393-4404	9.2	56
168	Trainable Weka Segmentation: a machine learning tool for microscopy pixel classification. <i>Bioinformatics</i> , <b>2017</b> , 33, 2424-2426	7.2	808
167	Fabrication approaches for the creation of physical models from microscopy data. <i>3D Printing in Medicine</i> , <b>2017</b> , 3, 2	5	
166	Diverse activities of viral cis-acting RNA regulatory elements revealed using multicolor, long-term, single-cell imaging. <i>Molecular Biology of the Cell</i> , <b>2017</b> , 28, 476-487	3.5	7
165	SHARPIN regulates collagen architecture and ductal outgrowth in the developing mouse mammary gland. <i>EMBO Journal</i> , <b>2017</b> , 36, 165-182	13	31
164	Design of an Open-Source Binary Micromultileaf Collimator for a Small Animal Microradiotherapy System. <i>Journal of Medical Devices, Transactions of the ASME</i> , <b>2017</b> , 11,	1.3	1
163	ImageJ2: ImageJ for the next generation of scientific image data. <i>BMC Bioinformatics</i> , <b>2017</b> , 18, 529	3.6	2804
162	Thermal Conductivity Measurement of Granular $\text{UO}_2(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$ . <i>Nuclear Technology</i> , <b>2017</b> , 197, 191-200		
161	The ImageJ Ecosystem: An Open and Extensible Platform for Biomedical Image Analysis.. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 226-227	0.5	6
160	ImageJ-MATLAB: a bidirectional framework for scientific image analysis interoperability. <i>Bioinformatics</i> , <b>2017</b> , 33, 629-630	7.2	12
159	Methods for Quantifying Fibrillar Collagen Alignment. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1627, 429-451	1.4	64
158	Fluorescence of Picrosirius Red Multiplexed With Immunohistochemistry for the Quantitative Assessment of Collagen in Tissue Sections. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2017</b> , 65, 479-490	3.4	40
157	Quantification of Collagen Organization after Nerve Repair. <i>Plastic and Reconstructive Surgery - Global Open</i> , <b>2017</b> , 5, e1586	1.2	5
156	Long-term Live Imaging Device for Improved Experimental Manipulation of Zebrafish Larvae. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	4



155	A beam optics study of a modular multi-source X-ray tube for novel computed tomography applications. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2017</b> , 868, 1-9	1.2	8
154	zWEDGI: Wounding and Entrapment Device for Imaging Live Zebrafish Larvae. <i>Zebrafish</i> , <b>2017</b> , 14, 42-50		19
153	TrackMate: An open and extensible platform for single-particle tracking. <i>Methods</i> , <b>2017</b> , 115, 80-90	4.6	1276
152	Administration of Non-Torsadogenic human Ether-à-go-go-Related Gene Inhibitors Is Associated with Better Survival for High hERG-Expressing Glioblastoma Patients. <i>Clinical Cancer Research</i> , <b>2017</b> , 23, 73-80	12.9	24
151	3D second harmonic generation imaging tomography by multi-view excitation. <i>Optica</i> , <b>2017</b> , 4, 1171-1178	9.6	8
150	Quantification of collagen organization in histopathology samples using liquid crystal based polarization microscopy. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 4243-4256	3.5	29
149	The Kinesin Adaptor Calsyntenin-1 Organizes Microtubule Polarity and Regulates Dynamics during Sensory Axon Arbor Development. <i>Frontiers in Cellular Neuroscience</i> , <b>2017</b> , 11, 107	6.1	19
148	Association of collagen architecture with glioblastoma patient survival. <i>Journal of Neurosurgery</i> , <b>2017</b> , 126, 1812-1821	3.2	46
147	3D texture analysis for classification of second harmonic generation images of human ovarian cancer. <i>Scientific Reports</i> , <b>2016</b> , 6, 35734	4.9	34
146	Human pancreatic stellate cells modulate 3D collagen alignment to promote the migration of pancreatic ductal adenocarcinoma cells. <i>Biomedical Microdevices</i> , <b>2016</b> , 18, 105	3.7	27
145	ImageJ: Image Analysis Interoperability for the Next Generation of Biological Image Data. <i>Microscopy and Microanalysis</i> , <b>2016</b> , 22, 2066-2067	0.5	1
144	Lactation opposes pappalysin-1-driven pregnancy-associated breast cancer. <i>EMBO Molecular Medicine</i> , <b>2016</b> , 8, 388-406	12	32
143	SCIFIO: an extensible framework to support scientific image formats. <i>BMC Bioinformatics</i> , <b>2016</b> , 17, 521	3.6	16
142	Preparation of 3D Collagen Gels and Microchannels for the Study of 3D Interactions In Vivo. <i>Journal of Visualized Experiments</i> , <b>2016</b> ,	1.6	9
141	Charcot-Marie-Tooth 2b associated Rab7 mutations cause axon growth and guidance defects during vertebrate sensory neuron development. <i>Neural Development</i> , <b>2016</b> , 11, 2	3.9	35
140	The Action of Discoidin Domain Receptor 2 in Basal Tumor Cells and Stromal Cancer-Associated Fibroblasts Is Critical for Breast Cancer Metastasis. <i>Cell Reports</i> , <b>2016</b> , 15, 2510-23	10.6	64
139	Pancreatic β-Cells From Mice Offset Age-Associated Mitochondrial Deficiency With Reduced KATP Channel Activity. <i>Diabetes</i> , <b>2016</b> , 65, 2700-10	0.9	40
138	Regional metabolic heterogeneity of the hippocampus is nonuniformly impacted by age and caloric restriction. <i>Aging Cell</i> , <b>2016</b> , 15, 100-10	9.9	20

137	Lineage Reprogramming of Fibroblasts into Proliferative Induced Cardiac Progenitor Cells by Defined Factors. <i>Cell Stem Cell</i> , <b>2016</b> , 18, 354-67	18	131
136	Advanced Intestinal Cancers often Maintain a Multi-Ancestral Architecture. <i>PLoS ONE</i> , <b>2016</b> , 11, e0150170	3.7	4
135	Induction of fibroblast senescence generates a non-fibrogenic myofibroblast phenotype that differentially impacts on cancer prognosis. <i>Aging</i> , <b>2016</b> , 9, 114-132	5.6	60
134	Prolactin signaling through focal adhesion complexes is amplified by stiff extracellular matrices in breast cancer cells. <i>Oncotarget</i> , <b>2016</b> , 7, 48093-48106	3.3	14
133	Highly aligned stromal collagen is a negative prognostic factor following pancreatic ductal adenocarcinoma resection. <i>Oncotarget</i> , <b>2016</b> , 7, 76197-76213	3.3	100
132	A subset of myofibroblastic cancer-associated fibroblasts regulate collagen fiber elongation, which is prognostic in multiple cancers. <i>Oncotarget</i> , <b>2016</b> , 7, 6159-74	3.3	105
131	Calcific Aortic Valve Disease Is Associated with Layer-Specific Alterations in Collagen Architecture. <i>PLoS ONE</i> , <b>2016</b> , 11, e0163858	3.7	37
130	Blue Light Modulates Murine Microglial Gene Expression in the Absence of Optogenetic Protein Expression. <i>Scientific Reports</i> , <b>2016</b> , 6, 21172	4.9	26
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