

# Dongkyun Kang

## List of Publications by Year in descending order

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54  
papers

524  
citations

759233

12  
h-index

677142

22  
g-index

54  
all docs

54  
docs citations

54  
times ranked

614  
citing authors

#	ARTICLE	IF	CITATIONS
1	Smartphone confocal microscopy for imaging cellular structures in human skin in vivo. Biomedical Optics Express, 2018, 9, 1906.	2.9	50
2	Comprehensive imaging of gastroesophageal biopsy samples by spectrally encoded confocal microscopy. Gastrointestinal Endoscopy, 2010, 71, 35-43.	1.0	46
3	Tethered confocal endomicroscopy capsule for diagnosis and monitoring of eosinophilic esophagitis. Biomedical Optics Express, 2014, 5, 197.	2.9	43
4	Reflectance confocal microscopy for the diagnosis of eosinophilic esophagitis: a pilot study conducted on biopsy specimens. Gastrointestinal Endoscopy, 2011, 74, 992-1000.	1.0	37
5	Endoscopic probe optics for spectrally encoded confocal microscopy. Biomedical Optics Express, 2013, 4, 1925.	2.9	32
6	Spectrally encoded confocal microscopy of esophageal tissues at 100 kHz line rate. Biomedical Optics Express, 2013, 4, 1636.	2.9	29
7	Spectrally encoded slit confocal microscopy. Optics Letters, 2006, 31, 1687.	3.3	28
8	Spectrally encoded confocal microscopy for diagnosing breast cancer in excision and margin specimens. Laboratory Investigation, 2016, 96, 459-467.	3.7	26
9	Spectrally-encoded color imaging. Optics Express, 2009, 17, 15239.	3.4	22
10	Clinical Translation of Tethered Confocal Microscopy Capsule for Unsedated Diagnosis of Eosinophilic Esophagitis. Scientific Reports, 2018, 8, 2631.	3.3	22
11	Comprehensive volumetric confocal microscopy with adaptive focusing. Biomedical Optics Express, 2011, 2, 1412.	2.9	17
12	Large-area spectrally encoded confocal endomicroscopy of the human esophagus in vivo. Lasers in Surgery and Medicine, 2017, 49, 233-239.	2.1	13
13	Low-cost, high-speed near infrared reflectance confocal microscope. Biomedical Optics Express, 2019, 10, 3497.	2.9	13
14	Enhancement of lateral resolution in confocal self-interference microscopy. Optics Letters, 2003, 28, 2470.	3.3	12
15	Co-registered spectrally encoded confocal microscopy and optical frequency domain imaging system. Journal of Microscopy, 2010, 239, 87-91.	1.8	11
16	Miniature grating for spectrally-encoded endoscopy. Lab on A Chip, 2013, 13, 1810.	6.0	11
17	Miniature objective lens with variable focus for confocal endomicroscopy. Biomedical Optics Express, 2014, 5, 4350.	2.9	11
18	Speckle-free, near-infrared portable confocal microscope. Applied Optics, 2020, 59, G41.	1.8	11

#	ARTICLE	IF	CITATIONS
19	Scattering-Based Light Sheet Microscopy for Rapid Cellular Imaging of Fresh Tissue. <i>Lasers in Surgery and Medicine</i> , 2021, 53, 872-879.	2.1	10
20	Evaluation of optical reflectance techniques for imaging of alveolar structure. <i>Journal of Biomedical Optics</i> , 2012, 17, 071303.	2.6	9
21	A miniaturized, tethered, spectrally encoded confocal endomicroscopy capsule. <i>Lasers in Surgery and Medicine</i> , 2019, 51, 452-458.	2.1	9
22	Low-cost, chromatic confocal endomicroscope for cellular imaging in vivo. <i>Biomedical Optics Express</i> , 2021, 12, 5629.	2.9	9
23	Comprehensive confocal endomicroscopy of the esophagus in vivo. <i>Endoscopy International Open</i> , 2014, 2, E135-E140.	1.8	6
24	Feasibility and implementation of portable confocal microscopy for point-of-care diagnosis of cutaneous lesions in a low-resource setting. <i>Journal of the American Academy of Dermatology</i> , 2021, 84, 499-502.	1.2	6
25	Deep Learning-Based Denoising in High-Speed Portable Reflectance Confocal Microscopy. <i>Lasers in Surgery and Medicine</i> , 2021, 53, 880-891.	2.1	6
26	Preliminary imaging of skin lesions with near-infrared, portable, confocal microscopy. <i>Journal of the American Academy of Dermatology</i> , 2021, 85, 1624-1625.	1.2	5
27	Introduction to biomedical optical imaging. <i>Lasers in Surgery and Medicine</i> , 2017, 49, 214-214.	2.1	4
28	High-Resolution, Wide-Field, Forward-Viewing Spectrally Encoded Endoscope. <i>Lasers in Surgery and Medicine</i> , 2019, 51, 808-814.	2.1	4
29	Smartphone-based microscopes. , 2020, , 159-175.		4
30	Novel Diagnostics for Kaposi Sarcoma and Other Skin Diseases in Resource-Limited Settings. <i>Dermatologic Clinics</i> , 2021, 39, 83-90.	1.7	4
31	Lateral Resolution Enhancement in Confocal Self-interference Microscopy with Commercial Calcite Plate. <i>Journal of the Optical Society of Korea</i> , 2005, 9, 32-35.	0.6	2
32	Combined spectrally encoded confocal microscopy and optical frequency domain imaging system. <i>Proceedings of SPIE</i> , 2009, , .	0.8	2
33	Spectrally Encoded Confocal Microscopy for Guiding Lumpectomy. <i>Analytical Cellular Pathology</i> , 2014, 2014, 1-2.	1.4	2
34	Single-beam spectrally encoded color imaging. <i>Optics Letters</i> , 2018, 43, 2229.	3.3	2
35	Investigation of different wavelengths for scattering-based light sheet microscopy. <i>Biomedical Optics Express</i> , 2022, 13, 3882.	2.9	2
36	Improvement of detected intensity in confocal microscopy by using reflecting optical system. <i>Review of Scientific Instruments</i> , 2004, 75, 550-552.	1.3	1

#	ARTICLE	IF	CITATIONS
37	Design of real-time confocal microscopy using spectral encoding technique and slit aperture. , 2005, , .		1
38	Image of a straight edge in confocal self-interference microscopy. Optics Letters, 2005, 30, 1650.	3.3	1
39	Spectrally encoded imaging. , 2011, , .		1
40	Lateral resolution enhancement in confocal self-interference microscopy. , 2005, , .		0
41	Two-dimensional imaging theory of confocal self-interference microscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 2737.	1.5	0
42	Combined Reflection Confocal Microscopy and Optical Coherence Tomography Imaging of Esophageal Biopsy. Gastrointestinal Endoscopy, 2009, 69, AB368.	1.0	0
43	Spectrally encoded confocal microscopy (SECM) for rapid assessment of breast excision specimens (Conference Presentation). , 2016, , .		0
44	In Vivo Cellular Imaging with Spectrally Encoded Confocal Microscopy. , 2017, , .		0
45	Introduction to biomedical optical imaging issue. Lasers in Surgery and Medicine, 2018, 50, 182-182.	2.1	0
46	High-Speed Blood Flow Imaging with Scanless Confocal Microscope. , 2019, , .		0
47	Imaging the dynamics and microstructure of fibrin clot polymerization in cardiac surgical patients using spectrally encoded confocal microscopy. American Journal of Hematology, 2021, 96, 968-978.	4.1	0
48	Introduction to Special Biomedical Optical Imaging Issue. Lasers in Surgery and Medicine, 2021, 53, 747-747.	2.1	0
49	Tethered SECM endoscopic capsule for the diagnosis of eosinophilic esophagitis (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 1		0
50	Spectrally Encoded Confocal Microscopy for Comprehensive and Low-cost In Vivo Cellular Imaging. , 2018, , .		0
51	Low-cost, high-speed near-infrared confocal microscope. , 2019, , .		0
52	Smartphone-based epifluorescence microscope for fresh tissue imaging. , 2019, , .		0
53	Cellular imaging of the cornea with a low-cost, portable confocal microscope. , 2020, , .		0
54	Feasibility of imaging Meissner's corpuscles with portable confocal microscopy. , 2022, , .		0