Hongki Yoo

List of Publications by Year in descending order

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88	1,429	361413 20	361022 35
papers	citations	h-index	g-index

89	89	89	1624
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lateral image reconstruction of optical coherence tomography using oneâ€dimensional deep deconvolution network. Lasers in Surgery and Medicine, 2022, 54, 895-906.	2.1	3
2	Announcing the 2021 Measurement Science and Technology Outstanding Paper Awards. Measurement Science and Technology, 2022, 33, 070201.	2.6	1
3	Method for improving the speed and pattern quality of a DMD maskless lithography system using a pulse exposure method. Optics Express, 2022, 30, 22487.	3.4	5
4	Macrophage targeted theranostic strategy for accurate detection and rapid stabilization of the inflamed high-risk plaque. Theranostics, 2021, 11, 8874-8893.	10.0	26
5	OUP accepted manuscript. European Heart Journal, 2021, , .	2.2	0
6	Label-free multimodal microscopy using a single light source and detector for biological imaging. Optics Letters, 2021, 46, 892.	3.3	6
7	Color three-dimensional imaging based on patterned illumination using a negative pinhole array. Optics Express, 2021, 29, 6509.	3.4	0
8	Utilization potential of intraluminal optical coherence tomography for the Eustachian tube. Scientific Reports, 2021, 11, 6219.	3.3	6
9	Three-dimensional confocal reflectance microscopy for surface metrology. Measurement Science and Technology, 2021, 32, 102002.	2.6	20
10	Multimodal microscopy for the simultaneous visualization of five different imaging modalities using a single light source. Biomedical Optics Express, 2021, 12, 5452.	2.9	5
11	Long Journey of Intravascular Imaging. JACC: Cardiovascular Imaging, 2021, 14, 1843-1845.	5.3	2
12	Stress-associated neurobiological activity is linked with acute plaque instability via enhanced macrophage activity: a prospective serial 18F-FDG-PET/CT imaging assessment. European Heart Journal, 2021, 42, 1883-1895.	2.2	33
13	Targeted theranostic photoactivation on atherosclerosis. Journal of Nanobiotechnology, 2021, 19, 338.	9.1	13
14	Robust autofocusing for scanning electron microscopy based on a dual deep learning network. Scientific Reports, 2021, 11, 20933.	3.3	8
15	Abstract 11653: Intravascular Targeted Photoactivation Guided by Optical Coherence Tomography-Near Infrared Fluorescence (OCT-NIRF) Imaging Promotes Stabilization of Atherosclerotic Plaques. Circulation, 2021, 144, .	1.6	0
16	Comprehensive Assessment of High-Risk Plaques by Dual-Modal Imaging Catheter in Coronary Artery. JACC Basic To Translational Science, 2021, 6, 948-960.	4.1	8
17	Annular-beam dual-detection confocal reflectance microscopy for high-speed three-dimensional surface profiling with an extended volume. Measurement Science and Technology, 2020, 31, 045403.	2.6	8
18	High-speed line-scan confocal Raman microscope with enhanced diffraction efficiency. Measurement Science and Technology, 2020, 31, 025203.	2.6	7

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19	Large-area thickness measurement of transparent multi-layer films based on laser confocal reflection sensor. Measurement: Journal of the International Measurement Confederation, 2020, 153, 107390.	5.0	15
20	In vivo imaging of reactive oxygen species (ROS)-producing pro-inflammatory macrophages in murine carotid atheromas using a CD44-targetable and ROS-responsive nanosensor. Journal of Industrial and Engineering Chemistry, 2020, 92, 158-166.	5.8	16
21	Flexible endoscopic micro-optical coherence tomography for three-dimensional imaging of the arterial microstructure. Scientific Reports, 2020, 10, 9248.	3.3	10
22	Astigmatism-corrected endoscopic imaging probe for optical coherence tomography using soft lithography. Optics Letters, 2020, 45, 4867.	3.3	7
23	Abstract 14935: Targeted Optical Molecular Imaging of Atheroma Calcification Using Novel Aldendronate-based Probe. Circulation, 2020, 142, .	1.6	0
24	Abstract 15508: Random Forest Classifier-incoporated Intravascular Optical Coherence Tomography-fluorescence Lifetime Imaging (oct-flim) Provides Automated Characterization of Key Biochemical Components of Coronary Atherosclerotic Plaques. Circulation, 2020, 142, .	1.6	0
25	Emulating endothelial dysfunction by implementing an early atherosclerotic microenvironment within a microfluidic chip. Lab on A Chip, 2019, 19, 3664-3677.	6.0	13
26	Rapid histologic diagnosis using quick fluorescence staining and tissue confocal microscopy. Microscopy Research and Technique, 2019, 82, 892-897.	2.2	2
27	High-speed color three-dimensional measurement based on parallel confocal detection with a focus tunable lens. Optics Express, 2019, 27, 28466.	3.4	20
28	High-resolution Multispectral Fluorescence Lifetime Imaging Microscopy for Characterization of Atherosclerosis Plaque. , 2019, , .		0
29	Real-time visualization of structural and biochemical information using single laser source. , 2019, , .		0
30	Combined fluorescence lifetime imaging-optical coherence tomography for in vivo label-free assessment of high-risk atherosclerotic plaque. , 2019, , .		0
31	Intravascular Optical Molecular Imaging of aÂMacrophage Subset Within Intraplaque Hemorrhages. JACC: Cardiovascular Imaging, 2018, 11, 371-372.	5.3	6
32	Multipoint scanning dualâ€detection confocal microscopy for fast 3D volumetric measurement. Journal of Microscopy, 2018, 270, 200-209.	1.8	8
33	Spectroscopic optical coherence tomography: A review of concepts and biomedical applications. Applied Spectroscopy Reviews, 2018, 53, 91-111.	6.7	26
34	Rapid tissue histology using multichannel confocal fluorescence microscopy with focus tracking. Quantitative Imaging in Medicine and Surgery, 2018, 8, 884-893.	2.0	14
35	Comprehensive intravascular imaging of atherosclerotic plaque in vivo using optical coherence tomography and fluorescence lifetime imaging. Scientific Reports, 2018, 8, 14561.	3.3	33
36	Therapeutic Effects of Targeted PPARÉ£ Activation on Inflamed High-Risk Plaques Assessed by Serial Optical Imaging In Vivo. Theranostics, 2018, 8, 45-60.	10.0	23

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37	Multispectral analog-mean-delay fluorescence lifetime imaging combined with optical coherence tomography. Biomedical Optics Express, 2018, 9, 1930.	2.9	24
38	Real-time visualization of two-photon fluorescence lifetime imaging microscopy using a wavelength-tunable femtosecond pulsed laser. Biomedical Optics Express, 2018, 9, 3449.	2.9	22
39	AB0015â€...The effect of rare coding variants on response of tnf inhibitors treatment in rheumatoid arthritis. , 2018, , .		0
40	Removal of back-reflection noise at ultrathin imaging probes by the single-core illumination and wide-field detection. Scientific Reports, 2017, 7, 6524.	3.3	12
41	Endoscopic micro-optical coherence tomography with extended depth of focus using a binary phase spatial filter. Optics Letters, 2017, 42, 379.	3.3	44
42	Inflammatory coronary ectasia identified by three-dimensional volume rendering of 18F-Fluorodeoxyglucose PET/CT. EuroIntervention, 2017, 13, e227-e227.	3.2	0
43	Characterization of lipid-rich plaques using spectroscopic optical coherence tomography. Journal of Biomedical Optics, 2016, 21, 075004.	2.6	16
44	Intravascular optical imaging of high-risk plaques in vivo by targeting macrophage mannose receptors. Scientific Reports, 2016, 6, 22608.	3.3	48
45	Automated detection of vessel lumen and stent struts in intravascular optical coherence tomography to evaluate stent apposition and neointimal coverage. Medical Physics, 2016, 43, 1662-1675.	3.0	40
46	Design and fabrication of an optical probe with a phase filter for extended depth of focus. Optics Express, 2016, 24, 1037.	3.4	38
47	High-speed 3-D measurement with a large field of view based on direct-view confocal microscope with an electrically tunable lens. Optics Express, 2016, 24, 3806.	3.4	24
48	Intracoronary dual-modal optical coherence tomography-near-infrared fluorescence structuralâ€“molecular imaging with a clinical dose of indocyanine green for the assessment of high-risk plaques and stent-associated inflammation in a beating coronary artery. European Heart Journal, 2016, 37, 2833-2844.	2.2	58
49	Dual-detection confocal microscopy: high-speed surface profiling without depth scanning. , 2016, , .		0
50	Compact fiber optic dual-detection confocal displacement sensor. Applied Optics, 2016, 55, 7631.	2.1	9
51	High-speed time-resolved laser-scanning microscopy using the line-to-pixel referencing method. Applied Optics, 2016, 55, 9033.	2.1	6
52	Design and Development of Nonlinear Optical Microscope System: Simple Implementation with epi-Illumination Platform. MATEC Web of Conferences, 2015, 32, 04010.	0.2	2
53	A bi-directional assessment of spontaneous coronary artery dissection by three-dimensional flythrough rendering of optical coherence tomography images. European Heart Journal, 2015, 36, 1022-1022.	2.2	4
54	Multimodal confocal hyperspectral imaging microscopy with wavelength sweeping source. Measurement Science and Technology, 2015, 26, 025701.	2.6	4

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55	Concurrent Carotid Inflammation in Acute Coronary Syndrome as Assessed by 18F-FDG PET/CT: A Possible Mechanistic Link for Ischemic Stroke. Journal of Stroke and Cerebrovascular Diseases, 2015, 24, 2547-2554.	1.6	13
56	Effects of substrate stiffness on phenotype of bovine aortic endothelial cells (BAECs)(PS2: Poster) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 248.	0.0	0
57	Diagnostic fiber-based optical imaging catheters. Biomedical Engineering Letters, 2014, 4, 239-249.	4.1	7
58	Fiber-optic raster scanning two-photon endomicroscope using a tubular piezoelectric actuator. Journal of Biomedical Optics, 2014, 19, 066010.	2.6	33
59	Coronary Stent Fracture Complicated Multiple Aneurysms Confirmed by 3-Dimensional Reconstruction of Intravascular-Optical Coherence Tomography in a Patient Treated With Open-Cell Designed Drug-Eluting Stent. Circulation, 2014, 129, e24-7.	1.6	15
60	Fully Integrated High-Speed Intravascular Optical Coherence Tomography/Near-Infrared Fluorescence Structural/Molecular Imaging In Vivo Using a Clinically Available Near-Infrared Fluorescenceâ€“Emitting Indocyanine Green to Detect Inflamed Lipid-Rich Atheromata in Coronary-Sized Vessels. Circulation: Cardiovascular Interventions, 2014, 7, 560-569.	3.9	83
61	High speed 3D surface profile without axial scanning: dual-detection confocal reflectance microscopy. Measurement Science and Technology, 2014, 25, 125403.	2.6	13
62	Three-Dimensional Intravascular Optical Coherence Tomography Rendering Assessment of Spontaneous Coronary Artery Dissection Concomitant With Left Main Ostial Critical Stenosis. JACC: Cardiovascular Interventions, 2014, 7, e57-e59.	2.9	7
63	A near-infrared confocal scanner. Measurement Science and Technology, 2014, 25, 065403.	2.6	4
64	Endoscopic focal modulation microscopy. Journal of Microscopy, 2013, 250, 116-121.	1.8	1
65	Dual detection confocal fluorescence microscopy: depth imaging without depth scanning. , 2013, , .		0
66	Chromatic confocal microscopy with a novel wavelength detection method using transmittance. Optics Express, 2013, 21, 6286.	3.4	46
67	Dual-detection confocal fluorescence microscopy: fluorescence axial imaging without axial scanning. Optics Express, 2013, 21, 17839.	3.4	21
68	Design and analysis of a cross-type structured-illumination confocal microscope for high speed and high resolution. Measurement Science and Technology, 2012, 23, 105403.	2.6	5
69	Evaluation of optical reflectance techniques for imaging of alveolar structure. Journal of Biomedical Optics, 2012, 17, 071303.	2.6	9
70	Compensation of motion artifacts in intracoronary optical frequency domain imaging and optical coherence tomography. International Journal of Cardiovascular Imaging, 2012, 28, 1299-1304.	1.5	10
71	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
72	Comprehensive volumetric confocal microscopy with adaptive focusing. Biomedical Optics Express, 2011, 2, 1412.	2.9	17

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73	Intra-arterial catheter for simultaneous microstructural and molecular imaging in vivo. Nature Medicine, 2011, 17, 1680-1684.	30.7	289
74	Optical frequency domain imaging system and catheters for volumetric imaging of the human esophagus. Photonics Letters of Poland, 2011, 3, 144-146.	0.4	5
75	Reflectance microscopy techniques for 3D imaging of the alveolar structure. Head & Neck Oncology, 2010, 2, .	2.3	1
76	Comprehensive imaging of gastroesophageal biopsy samples by spectrally encoded confocal microscopy. Gastrointestinal Endoscopy, 2010, 71, 35-43.	1.0	46
77	S1591: Barrett's Esophagus Screening Using Balloon-Based Optical Frequency Domain Imaging: A Comparison With Endoscopy. Gastrointestinal Endoscopy, 2010, 71, AB202.	1.0	2
78	Compensation of motion artifacts in catheter-based optical frequency domain imaging. Optics Express, 2010, 18, 11418.	3.4	17
79	Aberration Corrected Beam Scanning Stimulated Emission Depletion Microscopy. International Journal of Optomechatronics, 2008, 2, 401-412.	6.6	1
80	Method for the improvement of lateral resolution in stimulated emission depletion microscopy using a pupil filter. Measurement Science and Technology, 2007, 18, N61-N64.	2.6	3
81	Simultaneous imaging of confocal fluorescence and raman spectrum. , 2007, , .		0
82	Effects of a pupil filter on stimulated emission depletion microscopy. , 2006, , .		0
83	Measurement and restoration of the point spread function of fluorescence confocal microscopy. Journal of Microscopy, 2006, 221, 172-176.	1.8	42
84	Measurement of point-spread function (PSF) for confocal fluorescence microscopy. , 2005, 5878, 368.		1
85	Measurement of Sub-micrometer Features Based on The Topographic Contrast Using Reflection Confocal Microscopy. Journal of the Optical Society of Korea, 2005, 9, 26-31.	0.6	0
86	Lateral Resolution Enhancement in Confocal Self-interference Microscopy with Commercial Calcite Plate. Journal of the Optical Society of Korea, 2005, 9, 32-35.	0.6	2
87	Error analysis and tolerance allocation for confocal scanning microscopy using the Monte Carlo method. , 2004, , .		1
88	Design and performance evaluation of reflection confocal microscopy using acousto-optical deflector and slit detector. , 2004, 5324, 235.		3