

Vijaysekhar Jayaraman

List of Publications by Year in descending order

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36
papers

2,664
citations

279701

23
h-index

477173

29
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36
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36
docs citations

36
times ranked

2367
citing authors

#	ARTICLE	IF	CITATIONS
1	Retinal, anterior segment and full eye imaging using ultrahigh speed swept source OCT with vertical-cavity surface emitting lasers. Biomedical Optics Express, 2012, 3, 2733.	1.5	298
2	Choriocapillaris and Choroidal Microvasculature Imaging with Ultrahigh Speed OCT Angiography. PLoS ONE, 2013, 8, e81499.	1.1	289
3	Ultrahigh-Speed, Swept-Source Optical Coherence Tomography Angiography in Nonexudative Age-Related Macular Degeneration with Geographic Atrophy. Ophthalmology, 2015, 122, 2532-2544.	2.5	244
4	Ultrahigh-Speed Swept-Source OCT Angiography in Exudative AMD. Ophthalmic Surgery Lasers and Imaging Retina, 2014, 45, 496-505.	0.4	206
5	Handheld ultrahigh speed swept source optical coherence tomography instrument using a MEMS scanning mirror. Biomedical Optics Express, 2014, 5, 293.	1.5	163
6	High-precision, high-accuracy ultralong-range swept-source optical coherence tomography using vertical cavity surface emitting laser light source. Optics Letters, 2013, 38, 673.	1.7	159
7	ULTRAHIGH SPEED SWEEP SOURCE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF RETINAL AND CHORIOCAPILLARIS ALTERATIONS IN DIABETIC PATIENTS WITH AND WITHOUT RETINOPATHY. Retina, 2017, 37, 11-21.	1.0	153
8	Phase-sensitive swept-source optical coherence tomography imaging of the human retina with a vertical cavity surface-emitting laser light source. Optics Letters, 2013, 38, 338.	1.7	141
9	Choroidal Neovascularization Analyzed on Ultrahigh-Speed Swept-Source Optical Coherence Tomography Angiography Compared to Spectral-Domain Optical Coherence Tomography Angiography. American Journal of Ophthalmology, 2016, 164, 80-88.	1.7	137
10	Ultrahigh speed endoscopic optical coherence tomography using micromotor imaging catheter and VCSEL technology. Biomedical Optics Express, 2013, 4, 1119.	1.5	116
11	Cubic meter volume optical coherence tomography. Optica, 2016, 3, 1496.	4.8	109
12	Wideband Electrically Pumped 1050-nm MEMS-Tunable VCSEL for Ophthalmic Imaging. Journal of Lightwave Technology, 2015, 33, 3461-3468.	2.7	73
13	Reproducibility of a Long-Range Swept-Source Optical Coherence Tomography Ocular Biometry System and Comparison with Clinical Biometers. Ophthalmology, 2013, 120, 2184-2190.	2.5	72
14	MEMS tunable VCSEL light source for ultrahigh speed 60kHz - 1MHz axial scan rate and long range centimeter class OCT imaging. Proceedings of SPIE, 2012, , .	0.8	69
15	Ultrahigh speed en face OCT capsule for endoscopic imaging. Biomedical Optics Express, 2015, 6, 1146.	1.5	60
16	Depth-encoded all-fiber swept source polarization sensitive OCT. Biomedical Optics Express, 2014, 5, 2931.	1.5	56
17	Endoscopic Optical Coherence Angiography Enables 3-Dimensional Visualization of Subsurface Microvasculature. Gastroenterology, 2014, 147, 1219-1221.	0.6	50
18	Swept source optical coherence microscopy using a 1310 nm VCSEL light source. Optics Express, 2013, 21, 18021.	1.7	43

#	ARTICLE	IF	CITATIONS
19	Ultrahigh speed endoscopic optical coherence tomography for gastroenterology. Biomedical Optics Express, 2014, 5, 4387.	1.5	34
20	Endoscopic forward-viewing optical coherence tomography and angiography with MHz swept source. Optics Letters, 2017, 42, 3193.	1.7	34
21	Volumetric Mapping of Barrett's Esophagus and Dysplasia With en face Optical Coherence Tomography Tethered Capsule. American Journal of Gastroenterology, 2016, 111, 1664-1666.	0.2	28
22	Cycloid scanning for wide field optical coherence tomography endomicroscopy and angiography in vivo. Optica, 2018, 5, 36.	4.8	28
23	Circumferential optical coherence tomography angiography imaging of the swine esophagus using a micromotor balloon catheter. Biomedical Optics Express, 2016, 7, 2927.	1.5	27
24	Microscope-Integrated Intraoperative Ultrahigh-Speed Swept-Source Optical Coherence Tomography for Widefield Retinal and Anterior Segment Imaging. Ophthalmic Surgery Lasers and Imaging Retina, 2018, 49, 94-102.	0.4	19
25	Multi-MHz MEMS-VCSEL swept-source optical coherence tomography for endoscopic structural and angiographic imaging with miniaturized brushless motor probes. Biomedical Optics Express, 2021, 12, 2384.	1.5	18
26	Assessment of Barrett's esophagus and dysplasia with ultrahigh-speed volumetric en face and cross-sectional optical coherence tomography. Endoscopy, 2019, 51, 355-359.	1.0	11
27	Ultrahigh-speed endoscopic optical coherence tomography and angiography enables delineation of lateral margins of endoscopic mucosal resection: a case report. Therapeutic Advances in Gastroenterology, 2017, 10, 931-936.	1.4	9
28	Low-power swept-source Raman spectroscopy. Optics Express, 2021, 29, 24723.	1.7	5
29	Ultrahigh speed endoscopic swept source optical coherence tomography using a VCSEL light source and micromotor catheter. , 2014, , .		4
30	Ultrahigh Speed OCT. , 2015, , 319-356.		3
31	Reliable widely tunable electrically pumped 1050nm MEMS-VCSELs with amplifier in single butterfly co-package. , 2020, , .		3
32	4D dynamic imaging of the eye using ultrahigh speed SS-OCT. Proceedings of SPIE, 2013, , .	0.8	2
33	Single-Mode and High-Speed 850nm MEMS-VCSEL. , 2016, , .		1
34	VCSEL Swept Light Sources. , 2015, , 659-686.		0
35	Room-temperature continuous-wave mid-infrared VCSEL operating at 3.35um. , 2018, , .		0
36	Sensor Systems using Tunable Micro-Electro-Mechanical Systems Vertical Cavity Surface Emitting Lasers (MEMS-VCSELs) from the Visible to the Mid-infrared. , 2019, , .		0