

# 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  
g-index

36  
all docs

36  
docs citations

36  
times ranked

2367  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Low-power swept-source Raman spectroscopy. Optics Express, 2021, 29, 24723.	1.7	5
3	Reliable widely tunable electrically pumped 1050nm MEMS-VCSELs with amplifier in single butterfly co-package. , 2020, , .		3
4	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
5	Sensor Systems using Tunable Micro-Electro-Mechanical Systems Vertical Cavity Surface Emitting Lasers (MEMS-VCSELs) from the Visible to the Mid-infrared. , 2019, , .		0
6	Cycloid scanning for wide field optical coherence tomography endomicroscopy and angiography in vivo. Optica, 2018, 5, 36.	4.8	28
7	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
8	Room-temperature continuous-wave mid-infrared VCSEL operating at 3.35um. , 2018, , .		0
9	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
10	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
11	Endoscopic forward-viewing optical coherence tomography and angiography with MHz swept source. Optics Letters, 2017, 42, 3193.	1.7	34
12	Cubic meter volume optical coherence tomography. Optica, 2016, 3, 1496.	4.8	109
13	Circumferential optical coherence tomography angiography imaging of the swine esophagus using a micromotor balloon catheter. Biomedical Optics Express, 2016, 7, 2927.	1.5	27
14	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
15	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
16	Single-Mode and High-Speed 850nm MEMS-VCSEL. , 2016, , .		1
17	Wideband Electrically Pumped 1050-nm MEMS-Tunable VCSEL for Ophthalmic Imaging. Journal of Lightwave Technology, 2015, 33, 3461-3468.	2.7	73
18	Ultrahigh Speed OCT. , 2015, , 319-356.		3

#	ARTICLE	IF	CITATIONS
19	Ultrahigh speed en face OCT capsule for endoscopic imaging. Biomedical Optics Express, 2015, 6, 1146.	1.5	60
20	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
21	VCSEL Swept Light Sources. , 2015, , 659-686.		0
22	Depth-encoded all-fiber swept source polarization sensitive OCT. Biomedical Optics Express, 2014, 5, 2931.	1.5	56
23	Handheld ultrahigh speed swept source optical coherence tomography instrument using a MEMS scanning mirror. Biomedical Optics Express, 2014, 5, 293.	1.5	163
24	Ultrahigh speed endoscopic optical coherence tomography for gastroenterology. Biomedical Optics Express, 2014, 5, 4387.	1.5	34
25	Endoscopic Optical Coherence Angiography Enables 3-Dimensional Visualization of Subsurface Microvasculature. Gastroenterology, 2014, 147, 1219-1221.	0.6	50
26	Ultrahigh speed endoscopic swept source optical coherence tomography using a VCSEL light source and micromotor catheter. , 2014, , .		4
27	Ultrahigh-Speed Swept-Source OCT Angiography in Exudative AMD. Ophthalmic Surgery Lasers and Imaging Retina, 2014, 45, 496-505.	0.4	206
28	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
29	4D dynamic imaging of the eye using ultrahigh speed SS-OCT. Proceedings of SPIE, 2013, , .	0.8	2
30	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
31	Ultrahigh speed endoscopic optical coherence tomography using micromotor imaging catheter and VCSEL technology. Biomedical Optics Express, 2013, 4, 1119.	1.5	116
32	Swept source optical coherence microscopy using a 1310 nm VCSEL light source. Optics Express, 2013, 21, 18021.	1.7	43
33	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
34	Choriocapillaris and Choroidal Microvasculature Imaging with Ultrahigh Speed OCT Angiography. PLoS ONE, 2013, 8, e81499.	1.1	289
35	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
36	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