

# Victor Yang

## List of Publications by Year in descending order

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94  
papers

5,909  
citations

76196

40  
h-index

74018

75  
g-index

95  
all docs

95  
docs citations

95  
times ranked

6309  
citing authors

#	ARTICLE	IF	CITATIONS
1	Do Outcomes between Women and Men Differ after Endovascular Thrombectomy? A Meta-analysis. American Journal of Neuroradiology, 2021, 42, 910-915.	1.2	13
2	Gaining Access to the Superior Ophthalmic Vein for Endovascular Embolization of Indirect Carotid-Cavernous Fistulas. Journal of Craniofacial Surgery, 2021, 32, e337-e340.	0.3	2
3	Endosaccular Flow Disruption: A New Frontier in Endovascular Aneurysm Management. Neurosurgery, 2020, 86, 170-181.	0.6	34
4	Optical coherence tomography imaging after endovascular thrombectomy for basilar artery occlusion: report of 3 cases. Journal of Neurosurgery, 2020, 133, 1141-1146.	0.9	9
5	Endovascular Cerebral Venous Sinus Imaging with Optical Coherence Tomography. American Journal of Neuroradiology, 2020, 41, 2292-2297.	1.2	0
6	Surgical Sparing and Pairing Endovascular Interventions for Carotid-Cavernous Fistula: Case Series and Review of the Literature. World Neurosurgery, 2020, 140, 18-25.	0.7	7
7	Endovascular thrombectomy for tandem acute ischemic stroke associated with cervical artery dissection: a systematic review and meta-analysis. Neuroradiology, 2020, 62, 861-866.	1.1	7
8	Efficacy and safety of nerinetide for the treatment of acute ischaemic stroke (ESCAPE-NA1): a multicentre, double-blind, randomised controlled trial. Lancet, The, 2020, 395, 878-887.	6.3	400
9	Machine vision augmented reality for pedicle screw insertion during spine surgery. Journal of Clinical Neuroscience, 2020, 72, 350-356.	0.8	18
10	Doppler optical coherence tomography for energy seal evaluation and comparison to visual evaluation. Journal of Biomedical Optics, 2020, 25, 1.	1.4	2
11	Surgical Resection With Radiation Treatment Planning of Spinal Tumors. Neurosurgery, 2019, 84, 1242-1250.	0.6	13
12	Single-Fraction Stereotactic Radiosurgery Versus Hippocampal-Avoidance Whole Brain Radiation Therapy for Patients With 10 to 30 Brain Metastases: A Dosimetric Analysis. International Journal of Radiation Oncology Biology Physics, 2019, 105, 394-399.	0.4	23
13	Stereotactic Body Radiation Therapy (SBRT) for Spinal Tumors. , 2019, , 265-276.		0
14	Image-Guided, Linac-Based, Surgical Cavity-Hypofractionated Stereotactic Radiotherapy in 5 Daily Fractions for Brain Metastases. Neurosurgery, 2019, 85, E860-E869.	0.6	34
15	Stereotactic Body Radiotherapy for Spinal Metastases at the Extreme Ends of the Spine: Imaging-Based Outcomes for Cervical and Sacral Metastases. Neurosurgery, 2019, 85, 605-612.	0.6	20
16	Penumbra imaging and functional outcome in patients with anterior circulation ischaemic stroke treated with endovascular thrombectomy versus medical therapy: a meta-analysis of individual patient-level data. Lancet Neurology, The, 2019, 18, 46-55.	4.9	276
17	Intraoperative vascular detection and three-dimensional reconstruction using statistical variance and infrared optical tracking methods in high frequency ultrasound imaging. , 2019, , .		0
18	Beam-shifting optical coherence tomography for speckle reduction and flow rate measurement. , 2019, , .		0

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19	Vertebral Compression Fracture After Spine Stereotactic Body Radiation Therapy: A Review of the Pathophysiology and Risk Factors. <i>Neurosurgery</i> , 2018, 83, 314-322.	0.6	104
20	Spontaneous intracranial hypotension resulting in coma: Case report and review of the literature. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2018, 11, 51-56.	0.2	4
21	Acute ischemic stroke with tandem lesions: technical endovascular management and clinical outcomes from the ESCAPE trial. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, 429-433.	2.0	78
22	Multilevel Spondylolysis Repair Using the "Smiley Face" Technique with 3-Dimensional Intraoperative Spinal Navigation. <i>World Neurosurgery</i> , 2018, 109, e609-e614.	0.7	7
23	Effect of general anaesthesia on functional outcome in patients with anterior circulation ischaemic stroke having endovascular thrombectomy versus standard care: a meta-analysis of individual patient data. <i>Lancet Neurology</i> , The, 2018, 17, 47-53.	4.9	205
24	Somatosensory evoked potentials after decompressive craniectomy for traumatic brain injury. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 881-887.	0.7	2
25	Imaging-Based Outcomes for 24 Gy in 2 Daily Fractions for Patients with de Novo Spinal Metastases Treated With Spine Stereotactic Body Radiation Therapy (SBRT). <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 499-507.	0.4	83
26	Imaging features and safety and efficacy of endovascular stroke treatment: a meta-analysis of individual patient-level data. <i>Lancet Neurology</i> , The, 2018, 17, 895-904.	4.9	281
27	Augmented Reality in Neurosurgery: A Review of Current Concepts and Emerging Applications. <i>Canadian Journal of Neurological Sciences</i> , 2017, 44, 235-245.	0.3	99
28	Retinal photography: A window into the cardiovascular-brain link in adolescent bipolar disorder. <i>Journal of Affective Disorders</i> , 2017, 218, 227-237.	2.0	24
29	Spinal intraoperative three-dimensional navigation: correlation between clinical and absolute engineering accuracy. <i>Spine Journal</i> , 2017, 17, 489-498.	0.6	27
30	High speed, wide velocity dynamic range Doppler optical coherence tomography (Part V): Optimal utilization of multi-beam scanning for Doppler and speckle variance microvascular imaging. <i>Optics Express</i> , 2017, 25, 7761.	1.7	14
31	Postoperative stereotactic body radiotherapy for spinal metastases. <i>Chinese Clinical Oncology</i> , 2017, 6, S18-S18.	0.4	12
32	30 Years of Neurosurgical Robots: Review and Trends for Manipulators and Associated Navigational Systems. <i>Annals of Biomedical Engineering</i> , 2016, 44, 836-846.	1.3	66
33	Combined Microneurosurgical and Endovascular Management of Grade V Occipital Arteriovenous Malformation: Sequential Delayed Embolization Holds the Key!. <i>Indian Journal of Neurosurgery</i> , 2016, 05, 047-050.	0.1	0
34	Pulsed and CW adjustable 1942 nm single-mode all-fiber Tm-doped fiber laser system for surgical laser soft tissue ablation applications. <i>Optics Express</i> , 2016, 24, 16674.	1.7	30
35	Self-contained tubular bending actuator driven by conducting polymers. <i>Sensors and Actuators A: Physical</i> , 2016, 249, 45-56.	2.0	29
36	Traumatic anterior cerebral artery aneurysms and management options in the endovascular era. <i>Journal of Clinical Neuroscience</i> , 2016, 25, 90-95.	0.8	14

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37	Recent Advance in Visible Spectrum Surgical Navigation. , 2015, , .		0
38	Vascular wall stress during intravascular optical coherence tomography imaging. , 2015, , .		0
39	Pipeline stents for partially thrombosed posterior circulation aneurysms: A word of caution!. Neurology India, 2014, 62, 455.	0.2	2
40	Imaging the electro-kinetic response of biological tissues with phase-resolved optical coherence tomography. Photonics & Lasers in Medicine, 2014, 3, .	0.3	0
41	Optical coherence tomography detection of shear wave propagation in inhomogeneous tissue equivalent phantoms and ex-vivo carotid artery samples. Biomedical Optics Express, 2014, 5, 895.	1.5	25
42	A high-efficiency fiber-based imaging system for co-registered autofluorescence and optical coherence tomography. Biomedical Optics Express, 2014, 5, 2978.	1.5	51
43	Temperature-compensated fiber optic 3D shape sensor using femtosecond laser direct-written Bragg grating waveguides. Proceedings of SPIE, 2014, , .	0.8	1
44	Fiber-optic polarization diversity detection for rotary probe optical coherence tomography. Optics Letters, 2014, 39, 3638.	1.7	23
45	Imaging of electro-kinetic properties of tissue using the amplitude and the phase of optical coherence tomography. Proceedings of SPIE, 2014, , .	0.8	0
46	Hybrid intravascular ultrasound and optical coherence tomography catheter for imaging of coronary atherosclerosis. Catheterization and Cardiovascular Interventions, 2013, 81, 494-507.	0.7	66
47	Preliminary study of digital image correlation based optical coherence elastography. Proceedings of SPIE, 2013, , .	0.8	0
48	Imaging of electro-kinetic responses of tissues with optical coherence tomography. , 2013, , .		1
49	Development of quantitative parameters to assess in-vivo optical coherence tomography images of late oral radiation toxicity patients. Proceedings of SPIE, 2013, , .	0.8	0
50	Temperature-compensated fiber-optic 3D shape sensor based on femtosecond laser direct-written Bragg grating waveguides. Optics Express, 2013, 21, 24076.	1.7	66
51	Imaging the electro-kinetic response of biological tissues with optical coherence tomography. Optics Letters, 2013, 38, 2572.	1.7	7
52	Digital image correlation-based optical coherence elastography. Journal of Biomedical Optics, 2013, 18, 121515.	1.4	40
53	Vascular Wall Imaging of Vulnerable Atherosclerotic Carotid Plaques: Current State of the Art and Potential Future of Endovascular Optical Coherence Tomography. American Journal of Neuroradiology, 2012, 33, 1642-1650.	1.2	11
54	Endovascular optical coherence tomography intensity kurtosis: visualization of vasa vasorum in porcine carotid artery. Biomedical Optics Express, 2012, 3, 388.	1.5	18

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55	Speckle variance optical coherence tomography of the rodent spinal cord: in vivo feasibility. Biomedical Optics Express, 2012, 3, 911.	1.5	30
56	Feasibility of optical coherence elastography measurements of shear wave propagation in homogeneous tissue equivalent phantoms. Biomedical Optics Express, 2012, 3, 972.	1.5	77
57	Real-time speckle variance swept-source optical coherence tomography using a graphics processing unit. Biomedical Optics Express, 2012, 3, 1557.	1.5	68
58	In vivo feasibility of endovascular Doppler optical coherence tomography. Biomedical Optics Express, 2012, 3, 2600.	1.5	50
59	Real-time guidance of thermal and ultrashort pulsed laser ablation in hard tissue using inline coherent imaging. Lasers in Surgery and Medicine, 2012, 44, 249-256.	1.1	35
60	Microstructuring of Polypyrrole by Maskless Direct Femtosecond Laser Ablation. Advanced Materials, 2012, 24, 1243-1246.	11.1	18
61	23 kHz MEMS based swept source for optical coherence tomography imaging. , 2011, 2011, 6134-7.		2
62	Analytical modeling of a conducting polymer-driven catheter. Polymer International, 2010, 59, 343-351.	1.6	47
63	Optical coherence tomography: Current biomedical applications and future clinical utility. , 2010, , .		1
64	In situ 24 kHz coherent imaging of morphology change in laser percussion drilling. Optics Letters, 2010, 35, 646.	1.7	60
65	Optimized speckle variance OCT imaging of microvasculature. Optics Letters, 2010, 35, 1257.	1.7	237
66	Wavelength-swept spectral and pulse shaping utilizing hybrid Fourier domain modelocking by fiber optical parametric and erbium-doped fiber amplifiers. Optics Express, 2010, 18, 1909.	1.7	21
67	Conducting polymer actuator driven catheter: overview and applications. Proceedings of SPIE, 2009, , .	0.8	5
68	Oxygen-independent degradation of HIF-1 $\alpha$ via bioengineered VHL tumour suppressor complex. EMBO Molecular Medicine, 2009, 1, 66-78.	3.3	21
69	Fabrication and characterization of laser-micromachined polypyrrole-based artificial muscle actuated catheters. Sensors and Actuators A: Physical, 2009, 153, 230-236.	2.0	55
70	High-power wavelength-swept laser in Littman telescope-less polygon filter and dual-amplifier configuration for multichannel optical coherence tomography. Optics Letters, 2009, 34, 2814.	1.7	45
71	In vivo real time monitoring of vasoconstriction and vasodilation by a combined diffuse reflectance spectroscopy and Doppler optical coherence tomography approach. Lasers in Surgery and Medicine, 2008, 40, 323-331.	1.1	10
72	In vivo Optical Coherence Tomography Imaging of Preinvasive Bronchial Lesions. Clinical Cancer Research, 2008, 14, 2006-2011.	3.2	198

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73	Blood-vessel closure using photosensitizers engineered for two-photon excitation. <i>Nature Photonics</i> , 2008, 2, 420-424.	15.6	355
74	Electrostatic forward-viewing scanning probe for Doppler optical coherence tomography using a dissipative polymer catheter. <i>Optics Letters</i> , 2008, 33, 657.	1.7	46
75	Speckle variance detection of microvasculature using swept-source optical coherence tomography. <i>Optics Letters</i> , 2008, 33, 1530.	1.7	679
76	Interstitial Doppler Optical Coherence Tomography as a Local Tumor Necrosis Predictor in Photodynamic Therapy of Prostatic Carcinoma: An <i>In vivo</i> Study. <i>Cancer Research</i> , 2008, 68, 9987-9995.	0.4	67
77	Polypyrrole operating voltage limits in aqueous sodium hexafluorophosphate. , 2007, , .		10
78	Wide dynamic range detection of bidirectional flow in Doppler optical coherence tomography using a two-dimensional Kasai estimator. <i>Optics Letters</i> , 2007, 32, 253.	1.7	32
79	Doppler optical cardiogram gated 2D color flow imaging at 1000 fps and 4D <i>in vivo</i> visualization of embryonic heart at 45 fps on a swept source OCT system. <i>Optics Express</i> , 2007, 15, 1627.	1.7	120
80	Doppler optical coherence tomography monitoring of microvascular tissue response during photodynamic therapy in an animal model of Barrett's esophagus. <i>Gastrointestinal Endoscopy</i> , 2007, 66, 326-333.	0.5	44
81	Detecting Vascular Changes in Tumour Xenografts Using Micro-Ultrasound and Micro-CT Following Treatment with VEGFR-2 Blocking Antibodies. <i>Ultrasound in Medicine and Biology</i> , 2007, 33, 1259-1268.	0.7	40
82	Doppler optical coherence tomography with a micro-electro-mechanical membrane mirror for high-speed dynamic focus tracking. <i>Optics Letters</i> , 2006, 31, 1262.	1.7	37
83	Micromachined 2-D scanner for 3-D optical coherence tomography. <i>Sensors and Actuators A: Physical</i> , 2005, 117, 331-340.	2.0	77
84	Endoscopic Doppler optical coherence tomography in the human GI tract: initial experience. <i>Gastrointestinal Endoscopy</i> , 2005, 61, 879-890.	0.5	130
85	Interstitial Doppler optical coherence tomography. <i>Optics Letters</i> , 2005, 30, 1791.	1.7	84
86	Increased brain tumor resection using fluorescence image guidance in a preclinical model. <i>Lasers in Surgery and Medicine</i> , 2004, 35, 181-190.	1.1	70
87	Dynamic focus control in high-speed optical coherence tomography based on a microelectromechanical mirror. <i>Optics Communications</i> , 2004, 232, 123-128.	1.0	145
88	Micromachined array tip for multifocus fiber-based optical coherence tomography. <i>Optics Letters</i> , 2004, 29, 1754.	1.7	63
89	A multispectral fluorescence imaging system: Design and initial clinical tests in intra-operative Photofrin-photodynamic therapy of brain tumors. <i>Lasers in Surgery and Medicine</i> , 2003, 32, 224-232.	1.1	94
90	<i>In Vivo</i> Doppler Optical Coherence Tomography of Mucocutaneous Telangiectases in Hereditary Hemorrhagic Telangiectasia. <i>Gastrointestinal Endoscopy</i> , 2003, 58, 591-598.	0.5	15

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91	High speed, wide velocity dynamic range Doppler optical coherence tomography (Part I): System design, signal processing, and performance. Optics Express, 2003, 11, 794.	1.7	243
92	High speed, wide velocity dynamic range Doppler optical coherence tomography (Part II): Imaging in vivo cardiac dynamics of <i>Xenopus laevis</i> . Optics Express, 2003, 11, 1650.	1.7	109
93	High speed, wide velocity dynamic range Doppler optical coherence tomography (Part III): in vivo endoscopic imaging of blood flow in the rat and human gastrointestinal tracts. Optics Express, 2003, 11, 2416.	1.7	97
94	Improved phase-resolved optical Doppler tomography using the Kasai velocity estimator and histogram segmentation. Optics Communications, 2002, 208, 209-214.	1.0	123