

Rami Nachabe

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,632
citations

279798

23
h-index

501196

28
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28
docs citations

28
times ranked

1377
citing authors

#	ARTICLE	IF	CITATIONS
1	Accuracy Assessment of Percutaneous Pedicle Screw Placement Using Cone Beam Computed Tomography with Metal Artifact Reduction. <i>Sensors</i> , 2022, 22, 4615.	3.8	1
2	Intraoperative cone beam computed tomography is as reliable as conventional computed tomography for identification of pedicle screw breach in thoracolumbar spine surgery. <i>European Radiology</i> , 2021, 31, 2349-2356.	4.5	16
3	Minimally Invasive Transforaminal Lumbar Interbody Fusion Using Augmented Reality Surgical Navigation for Percutaneous Pedicle Screw Placement. <i>Clinical Spine Surgery</i> , 2021, 34, E415-E424.	1.3	13
4	A Novel Augmented-Reality-Based Surgical Navigation System for Spine Surgery in a Hybrid Operating Room: Design, Workflow, and Clinical Applications. <i>Operative Neurosurgery</i> , 2020, 18, 496-502.	0.8	68
5	Augmented Reality Surgical Navigation in Spine Surgery to Minimize Staff Radiation Exposure. <i>Spine</i> , 2020, 45, E45-E53.	2.0	57
6	Frameless Patient Tracking With Adhesive Optical Skin Markers for Augmented Reality Surgical Navigation in Spine Surgery. <i>Spine</i> , 2020, 45, 1598-1604.	2.0	25
7	Does Augmented Reality Navigation Increase Pedicle Screw Density Compared to Free-Hand Technique in Deformity Surgery? Single Surgeon Case Series of 44 Patients. <i>Spine</i> , 2020, 45, E1085-E1090.	2.0	27
8	Augmented reality navigation with intraoperative 3D imaging vs fluoroscopy-assisted free-hand surgery for spine fixation surgery: a matched-control study comparing accuracy. <i>Scientific Reports</i> , 2020, 10, 707.	3.3	76
9	Radiation dose and image quality comparison during spine surgery with two different, intraoperative 3D imaging navigation systems. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 136-145.	1.9	31
10	Pedicle Screw Placement Using Augmented Reality Surgical Navigation With Intraoperative 3D Imaging. <i>Spine</i> , 2019, 44, 517-525.	2.0	150
11	Augmented and Virtual Reality Instrument Tracking for Minimally Invasive Spine Surgery. <i>Spine</i> , 2019, 44, 1097-1104.	2.0	79
12	Machine learning for automated 3-dimensional segmentation of the spine and suggested placement of pedicle screws based on intraoperative cone-beam computer tomography. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 147-154.	1.7	48
13	Feasibility and Accuracy of Thoracolumbar Minimally Invasive Pedicle Screw Placement With Augmented Reality Navigation Technology. <i>Spine</i> , 2018, 43, 1018-1023.	2.0	101
14	Augmented Reality on a C-Arm System: A Preclinical Assessment for Percutaneous Needle Localization. <i>Radiology</i> , 2016, 281, 249-255.	7.3	30
15	Surgical Navigation Technology Based on Augmented Reality and Integrated 3D Intraoperative Imaging. <i>Spine</i> , 2016, 41, E1303-E1311.	2.0	123
16	Real-Time In Vivo Characterization of Primary Liver Tumors With Diffuse Optical Spectroscopy During Percutaneous Needle Interventions. <i>Investigative Radiology</i> , 2015, 50, 443-448.	6.2	16
17	Chromophore based analyses of steady-state diffuse reflectance spectroscopy: current status and perspectives for clinical adoption. <i>Journal of Biophotonics</i> , 2015, 8, 9-24.	2.3	79
18	Effect of Real-Time Radiation Dose Feedback on Pediatric Interventional Radiology Staff Radiation Exposure. <i>Journal of Vascular and Interventional Radiology</i> , 2014, 25, 119-126.	0.5	32

#	ARTICLE	IF	CITATIONS
19	Diffuse reflectance spectroscopy: towards clinical application in breast cancer. <i>Breast Cancer Research and Treatment</i> , 2013, 137, 155-165.	2.5	55
20	Improved identification of peripheral lung tumors by using diffuse reflectance and fluorescence spectroscopy. <i>Lung Cancer</i> , 2013, 80, 165-171.	2.0	63
21	Validation of Interventional Fiber Optic Spectroscopy With MR Spectroscopy, MAS-NMR Spectroscopy, High-Performance Thin-Layer Chromatography, and Histopathology for Accurate Hepatic Fat Quantification. <i>Investigative Radiology</i> , 2012, 47, 209-216.	6.2	17
22	Diffuse Reflectance Spectroscopy: A New Guidance Tool for Improvement of Biopsy Procedures in Lung Malignancies. <i>Clinical Lung Cancer</i> , 2012, 13, 424-431.	2.6	48
23	Effect of bile absorption coefficients on the estimation of liver tissue optical properties and related implications in discriminating healthy and tumorous samples. <i>Biomedical Optics Express</i> , 2011, 2, 600.	2.9	73
24	Epidural needle with embedded optical fibers for spectroscopic differentiation of tissue: ex vivo feasibility study. <i>Biomedical Optics Express</i> , 2011, 2, 1452.	2.9	37
25	Diagnosis of breast cancer using diffuse optical spectroscopy from 500 to 1600 nm: comparison of classification methods. <i>Journal of Biomedical Optics</i> , 2011, 16, 087010.	2.6	119
26	Identification of the Epidural Space with Optical Spectroscopy. <i>Anesthesiology</i> , 2010, 113, 1406-1418.	2.5	30
27	Estimation of lipid and water concentrations in scattering media with diffuse optical spectroscopy from 900 to 1600 nm. <i>Journal of Biomedical Optics</i> , 2010, 15, 037015.	2.6	112
28	Estimation of biological chromophores using diffuse optical spectroscopy: benefit of extending the UV-VIS wavelength range to include 1000 to 1600 nm. <i>Biomedical Optics Express</i> , 2010, 1, 1432.	2.9	106