

Michael W Vannier

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2345872/publications.pdf>

Version: 2024-02-01

230
papers

13,297
citations

29994

54
h-index

24179

110
g-index

236
all docs

236
docs citations

236
times ranked

11015
citing authors

#	ARTICLE	IF	CITATIONS
1	Isophotes, Scale Space, and Invariants in Lung CT for COPD Diagnosis. <i>Radiology: Artificial Intelligence</i> , 2022, 4, e210301.	3.0	1
2	Deep Learning Denoising for Myocardial Perfusion CT with a Residual Dense Network. <i>Radiology</i> , 2022, 305, 92-93.	3.6	3
3	Aerosolized In Vivo 3D Localization of Nose-to-Brain Nanocarrier Delivery Using Multimodality Neuroimaging in a Rat Model Protocol Development. <i>Pharmaceutics</i> , 2021, 13, 391.	2.0	7
4	Development of CD133 Targeting Multi-Drug Polymer Micellar Nanoparticles for Glioblastoma - In Vitro Evaluation in Glioblastoma Stem Cells. <i>Pharmaceutical Research</i> , 2021, 38, 1067-1079.	1.7	21
5	Histomorphometry of Biliary Atresia with Phase-Contrast CT Microscopy Yields Unique Insights. <i>Radiology</i> , 2021, 299, 611-612.	3.6	0
6	Using Radiomics to Differentiate Bone Islands versus Osteoblastic Bone Metastases at Abdominal CT. <i>Radiology</i> , 2021, 299, 633-634.	3.6	1
7	CT Super-Resolution GAN Constrained by the Identical, Residual, and Cycle Learning Ensemble (GAN-CIRCLE). <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 188-203.	5.4	289
8	Automated Coronary Artery Calcium Scoring for Chest CT Scans. <i>Radiology</i> , 2020, 295, 80-81.	3.6	5
9	Imaging of intranasal drug delivery to the brain. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 10, 1-31.	1.0	20
10	E-Index A Bibliometric Index of Research Efficiency. <i>IEEE Access</i> , 2018, 6, 51355-51364.	2.6	3
11	A Phase I Study of FOLFIRINOX Plus IPI-926, a Hedgehog Pathway Inhibitor, for Advanced Pancreatic Adenocarcinoma. <i>Pancreas</i> , 2016, 45, 370-375.	0.5	175
12	Vision 20/20: Simultaneous CT-MRI Next chapter of multimodality imaging. <i>Medical Physics</i> , 2015, 42, 5879-5889.	1.6	29
13	Lung cancer a fractal viewpoint. <i>Nature Reviews Clinical Oncology</i> , 2015, 12, 664-675.	12.5	129
14	Dynamic Contrast-enhanced MR Imaging Curve-type Analysis: Is It Helpful in the Differentiation of Prostate Cancer from Healthy Peripheral Zone?. <i>Radiology</i> , 2015, 275, 448-457.	3.6	71
15	A Cloud-Based Image Analysis Gateway for Traumatic Brain Injury Research. , 2014, , .		5
16	CT Colonography with Computer-aided Detection: Recognizing the Causes of False-Positive Reader Results. <i>Radiographics</i> , 2014, 34, 1885-1905.	1.4	16
17	Nodule Size and Overdiagnosis in Lung Cancer CT Screening. <i>Journal of the National Cancer Institute</i> , 2014, 106, dju325-dju325.	3.0	1
18	Analysis of myocardial perfusion from vasodilator stress computed tomography: Does improvement in image quality by iterative reconstruction lead to improved diagnostic accuracy?. <i>Journal of Cardiovascular Computed Tomography</i> , 2014, 8, 238-245.	0.7	20

#	ARTICLE	IF	CITATIONS
19	A bibliometric analysis of academic publication and NIH funding. <i>Journal of Informetrics</i> , 2013, 7, 318-324.	1.4	22
20	Evaluation of the Prostate Bed for Local Recurrence After Radical Prostatectomy Using Endorectal Magnetic Resonance Imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 85, 378-384.	0.4	77
21	BMI-Based Radiation Dose Reduction in CT Colonography. <i>Academic Radiology</i> , 2013, 20, 486-492.	1.3	12
22	Determining scientific impact using a collaboration index. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9680-9685.	3.3	102
23	Marriage of CT and MRI for vulnerable plaque characterization. <i>Imaging in Medicine</i> , 2013, 5, 95-97.	0.0	1
24	Screening Mammography: What Good Is It and How Can We Know If It Works?. <i>Journal of the National Cancer Institute</i> , 2012, 104, 1039-1040.	3.0	4
25	Unresectable Hepatocellular Carcinoma Due to Portal Venous Thrombosis: Focal Stereotactic Body Radiation Therapy Can Promote Resectability. <i>Journal of Gastrointestinal Cancer</i> , 2012, 43, 202-207.	0.6	0
26	Towards Omni-Tomography—Grand Fusion of Multiple Modalities for Simultaneous Interior Tomography. <i>PLoS ONE</i> , 2012, 7, e39700.	1.1	38
27	Rapid PROPELLER—MRI: A combination of iterative reconstruction and under-sampling. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 36, 1241-1247.	1.9	6
28	Imaging Renal Carcinoma. <i>Emerging Cancer Therapeutics</i> , 2011, 2, 37-56.	0.1	0
29	Why do commercial CT scanners still employ traditional, filtered back-projection for image reconstruction?. <i>Inverse Problems</i> , 2009, 25, 123009.	1.0	417
30	CT clinical perspective: Challenges and the impact of future technology developments. , 2009, 2009, 1909-12.		5
31	Medical Imaging Workstations: What Is Missing and What Is Coming?. <i>Archives of Pathology and Laboratory Medicine</i> , 2009, 133, 542-546.	1.2	5
32	Chord-based image reconstruction from clinical projection data. , 2008, , .		1
33	Computerized assessment of coronary calcified plaques in CT images of a dynamic cardiac phantom. , 2008, , .		1
34	Defective Double Lumen Tubes: Mallinckrodt the Culprit!. <i>Anesthesia and Analgesia</i> , 2007, 104, 1604.	1.1	1
35	Synthesizing average 3D anatomical shapes. <i>NeuroImage</i> , 2006, 32, 146-158.	2.1	27
36	Bolus characteristics based on Magnetic Resonance Angiography. <i>BioMedical Engineering OnLine</i> , 2006, 5, 53.	1.3	8

#	ARTICLE	IF	CITATIONS
37	Introduction to the Non-rigid Image Registration Evaluation Project (NIREP). Lecture Notes in Computer Science, 2006, , 128-135.	1.0	111
38	Projection-based Bolus Detection for Computed Tomographic Angiography. Journal of Computer Assisted Tomography, 2006, 30, 846-849.	0.5	2
39	International Journal for Computer Assisted Radiology and Surgery. International Journal of Computer Assisted Radiology and Surgery, 2006, 1, 1-4.	1.7	3
40	The operating room and the need for an IT infrastructure and standards. International Journal of Computer Assisted Radiology and Surgery, 2006, 1, 117-121.	1.7	72
41	Accuracy of facial soft tissue thickness measurements in personal computer-based multiplanar reconstructed computed tomographic images. Forensic Science International, 2005, 155, 28-34.	1.3	88
42	A robust method of x-ray source spectrum estimation from transmission measurements: Demonstrated on computer simulated, scatter-free transmission data. Journal of Applied Physics, 2005, 97, 124701.	1.1	118
43	Craniofacial measurements based on 3D-CT volume rendering: implications for clinical applications. Dentomaxillofacial Radiology, 2004, 33, 170-176.	1.3	157
44	Three-Dimensional Localization of Cochlear Implant Electrodes Using Epipolar Stereophotogrammetry. IEEE Transactions on Biomedical Engineering, 2004, 51, 838-846.	2.5	5
45	Modeling of Elastic Modulus Evolution of Cirrhotic Human Liver. IEEE Transactions on Biomedical Engineering, 2004, 51, 1854-1856.	2.5	15
46	ImageParser: a tool for finite element generation from three-dimensional medical images. BioMedical Engineering OnLine, 2004, 3, 31.	1.3	34
47	Lobular carcinoma in situ presenting as architectural distortion on mammograms: a case report and review of the literature. European Journal of Radiology Extra, 2004, 50, 63-66.	0.1	1
48	Validity of multislice computerized tomography for diagnosis of maxillofacial fractures using an independent workstation. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2004, 98, 715-720.	1.6	39
49	Interpretation of craniofacial fractures using multislice CT: establishing a protocol. International Congress Series, 2004, 1268, 1215-1219.	0.2	0
50	Cancer Imaging Informatics Workshop Report from the Biomedical Imaging Program of the National Cancer Institute. Academic Radiology, 2003, 10, 798-802.	1.3	5
51	Imaging modalities across spatial scales. Academic Radiology, 2003, 10, 890-894.	1.3	1
52	Automatic measurement of the labyrinth using image registration and a deformable inner ear atlas. Academic Radiology, 2003, 10, 988-999.	1.3	16
53	Blind deblurring of spiral CT images. IEEE Transactions on Medical Imaging, 2003, 22, 837-845.	5.4	61
54	Matching clinical and biological needs with emerging imaging technologies. Proceedings of the IEEE, 2003, 91, 1562-1573.	16.4	3

#	ARTICLE	IF	CITATIONS
55	Spatial Variation of Resolution and Noise in Multi-â€œDetector Row Spiral CT. Academic Radiology, 2003, 10, 607-613.	1.3	24
56	Analytic modeling of breast elastography. Medical Physics, 2003, 30, 2340-2349.	1.6	31
57	Sharing Images. Radiology, 2003, 228, 23-25.	3.6	28
58	Characterizing Shape Differences between Phantom Image Populations via Multivariate Statistical Analysis of Inverse Consistent Transformations. Lecture Notes in Computer Science, 2003, , 367-376.	1.0	2
59	Inverse Consistent Image Registration of MR Brain Scans: Handedness in Normal Adult Males. Lecture Notes in Computer Science, 2003, , 71-80.	1.0	2
60	Blind deblurring of spiral CT images-comparative studies on edge-to-noise ratios. Medical Physics, 2002, 29, 821-829.	1.6	15
61	3D volume rendering using multislice CT for dental implants.. Dentomaxillofacial Radiology, 2002, 31, 218-223.	1.3	62
62	Image-guided magnetic surgery. , 2002, , 238-243.		0
63	The Pattern of Alveolar Crest Height Change in Healthy Postmenopausal Women After 3 Years of Hormone/Estrogen Replacement Therapy. Journal of Periodontology, 2002, 73, 1279-1284.	1.7	29
64	Validation of medical image processing in image-guided therapy. IEEE Transactions on Medical Imaging, 2002, 21, 1445-1449.	5.4	153
65	National Institutes of Health State-of-the-Science Conference Statement: ERCP for diagnosis and therapy, January 14-16, 2002. Gastrointestinal Endoscopy, 2002, 56, 803-809.	0.5	221
66	Medical image archives â€œ” present and future. , 2002, , 565-570.		14
67	National Institutes of Health State-of-the-Science Conference Statement: ERCP for diagnosis and therapy, January 14-16, 2002. Gastrointestinal Endoscopy, 2002, 56, 803-809.	0.5	194
68	Imaging apoptosis in rheumatoid arthritis. Journal of Nuclear Medicine, 2002, 43, 1366-7.	2.8	3
69	White Paper: challenges and opportunities in computer-assisted interventions. International Congress Series, 2001, 1230, 203-209.	0.2	3
70	Image-Guided Therapy. Academic Radiology, 2001, 8, 888-897.	1.3	15
71	Emerging medical imaging technologies. AIP Conference Proceedings, 2001, , .	0.3	0
72	<title>Evaluating template bias when synthesizing population averages</title>. , 2001, , .		1

#	ARTICLE	IF	CITATIONS
73	The Craniofacial Anomalies Archive at St. Louis Children's Hospital: 20 Years of Craniofacial Imaging Experience. <i>Plastic and Reconstructive Surgery</i> , 2001, 108, 1862-1870.	0.7	31
74	Image-based dose planning of intracavitary brachytherapy: registration of serial-imaging studies using deformable anatomic templates. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 51, 227-243.	0.4	102
75	Design of a PC-based multimedia telemedicine system for brain function teleconsultation. <i>International Journal of Medical Informatics</i> , 2001, 61, 217-227.	1.6	9
76	Book reviews, NIBIB, and IOM breast cancer report. <i>IEEE Transactions on Medical Imaging</i> , 2001, 20, 145-146.	5.4	0
77	Medical imaging research and development groups. <i>IEEE Transactions on Medical Imaging</i> , 2001, 20, 853-853.	5.4	0
78	Evaluation of an ossifying fibroma using three-dimensional computed tomography. <i>Dentomaxillofacial Radiology</i> , 2001, 30, 342-345.	1.3	8
79	<title>Three-dimensional geometric modeling of the cochlea</title>. , 2000, , .		0
80	Quantitative 3D Maxillary Arch Evaluation of Two Different Infant Managements for Unilateral Cleft Lip and Palate. <i>Cleft Palate-Craniofacial Journal</i> , 2000, 37, 562-570.	0.5	17
81	<title>Validation of probabilistic anatomical shape atlases</title>. , 2000, 3979, 687.		2
82	<title>Model of intravenous bolus propagation for optimization of contrast enhancement</title>. , 2000, 3978, 436.		7
83	Digital X-ray stereophotogrammetry for cochlear implantation. <i>IEEE Transactions on Biomedical Engineering</i> , 2000, 47, 1120-1130.	2.5	5
84	Three-dimensional geometric modeling of the cochlea using helico-spiral approximation. <i>IEEE Transactions on Biomedical Engineering</i> , 2000, 47, 1392-1402.	2.5	45
85	Three-dimensional modeling and visualization of the cochlea on the Internet. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2000, 4, 144-151.	3.6	26
86	Evaluation of 3D Imaging. <i>Critical Reviews in Diagnostic Imaging</i> , 2000, 41, 315-378.	0.1	12
87	Localization of cochlear implant electrodes in radiographs. <i>Medical Physics</i> , 2000, 27, 775-777.	1.6	7
88	The validation of 3D spiral CT based measurements of simulated maxillofacial neoplasms. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2000, 89, 753-758.	1.6	13
89	Mandibular bone density and fractal dimension in rabbits with induced osteoporosis. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2000, 89, 244-249.	1.6	48
90	Accuracy and precision of spiral CT in the assessment of neoplastic lesions associated with the mandible. <i>Academic Radiology</i> , 2000, 7, 97-99.	1.3	9

#	ARTICLE	IF	CITATIONS
91	Alveolar Bone Height and Postcranial Bone Mineral Density: Negative Effects of Cigarette Smoking and Parity. <i>Journal of Periodontology</i> , 2000, 71, 683-689.	1.7	28
92	Distortion reduction for fast soft straightening of the colon. <i>Academic Radiology</i> , 2000, 7, 506-515.	1.3	4
93	Fast iterative algorithm for metal artifact reduction in X-ray CT. <i>Academic Radiology</i> , 2000, 7, 607-614.	1.3	133
94	Fast algorithm for soft straightening of the colon. <i>Academic Radiology</i> , 2000, 7, 142-148.	1.3	12
95	Evaluation of 3D Imaging. <i>Critical Reviews in Diagnostic Imaging</i> , 2000, 41, 315-378.	0.1	1
96	Equiangular fan-beam computerized tomography reconstruction for a noncircular scanning locus. <i>Optical Engineering</i> , 1999, 38, 1335.	0.5	2
97	The effect of pitch in multislice spiral/helical CT. <i>Medical Physics</i> , 1999, 26, 2648-2653.	1.6	58
98	Iterative X-ray Cone-Beam Tomography for Metal Artifact Reduction and Local Region Reconstruction. <i>Microscopy and Microanalysis</i> , 1999, 5, 58-65.	0.2	136
99	Three-dimensional computed tomography landmark measurement in craniofacial surgical planning: Experimental validation in vitro. <i>Journal of Oral and Maxillofacial Surgery</i> , 1999, 57, 690-694.	0.5	144
100	Virtual arthroscopy of the visible human female temporomandibular joint. <i>Journal of Oral and Maxillofacial Surgery</i> , 1999, 57, 807-811.	0.5	12
101	Navigation in diagnosis and therapy. <i>European Journal of Radiology</i> , 1999, 31, 132-140.	1.2	34
102	2-D and 3-D reconstructions of spiral computed tomography in localization of the inferior alveolar canal for dental implants. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 1999, 87, 369-374.	1.6	48
103	Straightening the colon with curved cross sections: An approach to CT colonography. <i>Academic Radiology</i> , 1999, 6, 398-410.	1.3	25
104	<title>Effect of pitch in multislice spiral/helical CT</title>. , 1999, , .		0
105	<title>Synthesizing average 3D anatomical shapes using deformable templates</title>. , 1999, , .		11
106	<title>Colon unraveling based on electrical field: recent progress and further work</title>. , 1999, 3660, 125.		19
107	Techniques of CT Colonography (Virtual Colonoscopy). <i>Critical Reviews in Biomedical Engineering</i> , 1999, 27, 1-25.	0.5	6
108	Global Pattern Matching. , 1999, , 221-240.		0

#	ARTICLE	IF	CITATIONS
109	Below-knee residual limb shape change measurement and visualization. Archives of Physical Medicine and Rehabilitation, 1998, 79, 772-782.	0.5	21
110	GI tract unraveling with curved cross sections. IEEE Transactions on Medical Imaging, 1998, 17, 318-322.	5.4	85
111	Spiral CT image deblurring for cochlear implantation. IEEE Transactions on Medical Imaging, 1998, 17, 251-262.	5.4	68
112	Three-dimensional spiral CT for craniofacial surgical planning and evaluation. , 1998, , .		2
113	<title>Assessment of landmark measurements of craniofacial images from 2D and 3D reconstructions of spiral CT</title>. , 1998, , .		0
114	Low-contrast resolution in volumetric x-ray CT-Analytical comparison between conventional and spiral CT. Medical Physics, 1997, 24, 373-376.	1.6	20
115	Optimal pitch in spiral computed tomography. Medical Physics, 1997, 24, 1635-1639.	1.6	36
116	Visualization of colorectal polyps with spiral CT colography: evaluation of processing parameters with perspective volume rendering.. Radiology, 1997, 205, 701-707.	3.6	73
117	Three-dimensional hippocampal MR morphometry with high-dimensional transformation of a neuroanatomic atlas.. Radiology, 1997, 202, 504-510.	3.6	212
118	On-line Research Information. Radiology, 1997, 204, 29A-30A.	3.6	0
119	Osteochondral Allografts With an Intramedullary Muscle Flap in Rabbits. Clinical Orthopaedics and Related Research, 1997, 334, 282-290.	0.7	3
120	<title>Colonic polyp detection with spiral CT colonography</title>. , 1997, , .		0
121	Relationship between Bone and Muscles of Mastication in Hemifacial Microsomia. Plastic and Reconstructive Surgery, 1997, 99, 990-997.	0.7	70
122	<title>Spiral CT: current status and future directions</title>. , 1997, 3149, 203.		6
123	<title>Deformable anatomical templates for brachytherapy treatment planning in radiotherapy of cervical cancer</title>. , 1997, , .		2
124	<title>Multimodality evaluation of cervical tumors</title>. , 1997, , .		1
125	Spiral computed tomographic colonography: Determination of the central axis and digital unraveling of the colon. Academic Radiology, 1997, 4, 367-373.	1.3	38
126	A comparison of the hippocampus in schizophrenia and control subjects using automated methods for neuromorphometry. Schizophrenia Research, 1997, 24, 141.	1.1	1

#	ARTICLE	IF	CITATIONS
127	Three-dimensional dental imaging by spiral CT. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 1997, 84, 561-570.	1.6	73
128	Lower extremity residual limb slippage within the prosthesis. Archives of Physical Medicine and Rehabilitation, 1997, 78, 476-485.	0.5	37
129	Visualization of prosthesis fit in lower-limb amputees. IEEE Computer Graphics and Applications, 1997, 17, 16-29.	1.0	11
130	Attachment loss with postmenopausal age and smoking. Journal of Periodontal Research, 1997, 32, 619-625.	1.4	64
131	Subgenual prefrontal cortex abnormalities in mood disorders. Nature, 1997, 386, 824-827.	13.7	2,502
132	Finite element modeling and experimental verification of lower extremity shape change under load. Journal of Biomechanics, 1997, 30, 531-536.	0.9	18
133	Total Hip Prosthesis Metal-Artifact Suppression Using Iterative Deblurring Reconstruction. Journal of Computer Assisted Tomography, 1997, 21, 293-298.	0.5	103
134	Three-Dimensional Lower-Extremity Residua Measurement Systems Error Analysis. Journal of Prosthetics and Orthotics, 1997, 9, 67-76.	0.2	12
135	Maximum volume coverage in spiral computed tomography scanning. Academic Radiology, 1996, 3, 423-428.	1.3	15
136	Iterative deblurring for CT metal artifact reduction. IEEE Transactions on Medical Imaging, 1996, 15, 657-664.	5.4	329
137	Stereological MRI volumetry of the frontal lobe. Psychiatry Research - Neuroimaging, 1996, 67, 203-214.	0.9	32
138	Precision of surface measurements for below-knee residua. Archives of Physical Medicine and Rehabilitation, 1996, 77, 477-486.	0.5	33
139	Assessing craniofacial surgical simulation. IEEE Computer Graphics and Applications, 1996, 16, 46-54.	1.0	22
140	Corrections. IEEE Transactions on Medical Imaging, 1996, 15, 745.	5.4	2
141	Orbital Dysmorphology in Unilateral Coronal Synostosis. Cleft Palate-Craniofacial Journal, 1996, 33, 190-197.	0.5	34
142	Mandibular Dysmorphology in Unicoronal Synostosis and Plagiocephaly without Synostosis. Cleft Palate-Craniofacial Journal, 1996, 33, 418-423.	0.5	41
143	GI tract unraveling in volumetric CT. Lecture Notes in Computer Science, 1996, , 1-12.	1.0	3
144	Mandibular Dysmorphology in Unicoronal Synostosis and Plagiocephaly without Synostosis. Cleft Palate-Craniofacial Journal, 1996, 33, 418-423.	0.5	41

#	ARTICLE	IF	CITATIONS
145	Orbital Dysmorphology in Unilateral Coronal Synostosis. Cleft Palate-Craniofacial Journal, 1996, 33, 190-197.	0.5	42
146	Plagiocephaly: Differential Diagnosis Based on Endocranial Morphology. Plastic and Reconstructive Surgery, 1996, 97, 282-291.	0.7	152
147	Hippocampal atrophy in recurrent major depression.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 3908-3913.	3.3	1,698
148	<title>Precision and accuracy of 3D lower extremity residua measurement systems</title>., 1996, , .		0
149	Unwrapping cochlear implants by spiral CT. IEEE Transactions on Biomedical Engineering, 1996, 43, 891-900.	2.5	29
150	Individualizing neuro-anatomical atlases using a massively parallel computer. Computer, 1996, 29, 32-38.	1.2	126
151	Post-acquisition correction of MR inhomogeneities. Magnetic Resonance in Medicine, 1996, 36, 275-286.	1.9	33
152	Hippocampal MR imaging morphometry by means of general pattern matching.. Radiology, 1996, 199, 787-791.	3.6	89
153	<i>Guest Editorial</i>: Subtraction Radiography. Journal of Periodontology, 1996, 67, 949-950.	1.7	5
154	Stability of Fronto-Orbital Advancement in Nonsyndromic Bilateral Coronal Synostosis: A Quantitative Three-Dimensional Computed Tomographic Study. Plastic and Reconstructive Surgery, 1996, 98, 393-405.	0.7	27
155	<title>Comparison of automated and manual segmentation of hippocampus MR images</title>., 1995, 2434, 206.		4
156	Anthropometric Optical Surface Imaging System Repeatability, Precision, and Validation. Annals of Plastic Surgery, 1995, 34, 362-371.	0.5	31
157	Spatial Dysmorphology of the Foot in Apert Syndrome: Three-dimensional Computed Tomography. Cleft Palate-Craniofacial Journal, 1995, 32, 255-262.	0.5	2
158	<title>GI tract unraveling by spiral CT</title>., 1995, , .		17
159	<title>In-situ evaluation of lower limb prosthesis fit by spiral-computed tomography</title>., 1995, , .		1
160	<title>Three-dimensional dental imaging by spiral CT</title>., 1995, , .		1
161	Coronary artery mapping: A method for three-dimensional reconstruction of epicardial anatomy. Journal of Digital Imaging, 1995, 8, 35-42.	1.6	4
162	Diagnostic performance of CT, MPR and 3DCT imaging in maxillofacial trauma. Computerized Medical Imaging and Graphics, 1995, 19, 385-395.	3.5	69

#	ARTICLE	IF	CITATIONS
163	An inverse approach to determining myocardial material properties. <i>Journal of Biomechanics</i> , 1995, 28, 935-948.	0.9	76
164	Assessment of mass properties of human head using various three-dimensional imaging modalities. <i>Medical and Biological Engineering and Computing</i> , 1995, 33, 278-284.	1.6	11
165	Validation of spiral CT and optical surface scanning for lower limb stump volumetry. <i>Prosthetics and Orthotics International</i> , 1995, 19, 97-107.	0.5	25
166	Spatial Dysmorphology of the Foot in Apert Syndrome: Three-dimensional Computed Tomography. <i>Cleft Palate-Craniofacial Journal</i> , 1995, 32, 255-262.	0.5	6
167	Preliminary study on helical CT algorithms for patient motion estimation and compensation. <i>IEEE Transactions on Medical Imaging</i> , 1995, 14, 205-211.	5.4	27
168	Noninvasive three-dimensional reconstruction of the heart and great vessels by ECG-gated magnetic resonance imaging: A new diagnostic modality. <i>Annals of Thoracic Surgery</i> , 1995, 59, 542-543.	0.7	1
169	<title>MRI volumetry of prefrontal cortex</title>. , 1995, 2434, 766.		3
170	Temporal bone volumetric image deblurring in spiral computed tomography scanning. <i>Academic Radiology</i> , 1995, 2, 888-895.	1.3	15
171	Preliminary Study of Magnetic Resonance Imaging Characteristics in 8 ⁺ to 16-Year-Olds with Mania. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 1995, 34, 742-749.	0.3	106
172	Craniofacial Computerassisted Surgical Planning and Simulation. <i>Clinics in Plastic Surgery</i> , 1994, 21, 501-516.	0.7	75
173	Longitudinal resolution in volumetric x-ray computerized tomography-Analytical comparison between conventional and helical computerized tomography. <i>Medical Physics</i> , 1994, 21, 429-433.	1.6	97
174	Spatial variation of section sensitivity profile in spiral computed tomography. <i>Medical Physics</i> , 1994, 21, 1491-1497.	1.6	29
175	Relationship of squamosal suture to asterion on external skull surfaces versus endocasts of pongids: Implications for Hadar early hominid AL 162-28. <i>American Journal of Physical Anthropology</i> , 1994, 93, 435-439.	2.1	4
176	Visualization and quantitative analysis of talocrural joint kinematics. <i>Computerized Medical Imaging and Graphics</i> , 1994, 18, 443-448.	3.5	14
177	Interactive segmentation of cerebral gray matter, white matter, and CSF: Photographic and MR images. <i>Computerized Medical Imaging and Graphics</i> , 1994, 18, 449-460.	3.5	16
178	Anatomic Considerations in Botulinum Toxin Type A Therapy for Spasmodic Dysphonia. <i>Laryngoscope</i> , 1994, 104, 656-662.	1.1	19
179	Computed tomography scanning with image reconstruction in evaluation of distal radius fractures. <i>Journal of Hand Surgery</i> , 1994, 19, 720-727.	0.7	109
180	<title>Hippocampal MR volumetry</title>. , 1994, 2359, 660.		7

#	ARTICLE	IF	CITATIONS
181	Binary Nature and Radiographic Identifiability of Craniosynostosis. <i>Investigative Radiology</i> , 1994, 29, 890-896.	3.5	8
182	Quantification of Facial Surface Change Using a Structured Light Scanner. <i>Plastic and Reconstructive Surgery</i> , 1994, 94, 768-774.	0.7	41
183	Effect of Premature Sagittal Suture Closure on Craniofacial Morphology in a Prehistoric Male Hopi. <i>Cleft Palate-Craniofacial Journal</i> , 1994, 31, 385-396.	0.5	8
184	Digital radiographic image-based bone level measurements: effect of film density. <i>Journal of Clinical Periodontology</i> , 1993, 20, 595-600.	2.3	13
185	35-mm film scanner as an intraoral dental radiograph digitizer. <i>Oral Surgery, Oral Medicine, and Oral Pathology</i> , 1993, 76, 502-509.	0.6	25
186	35-mm film scanner as an intraoral dental radiograph digitizer. <i>Oral Surgery, Oral Medicine, and Oral Pathology</i> , 1993, 76, 510-518.	0.6	19
187	Effects of region of interest outline variations on gray-scale frequency distributions for alveolar bone. <i>Oral Surgery, Oral Medicine, and Oral Pathology</i> , 1993, 75, 638-644.	0.6	14
188	Rule based artificial intelligence expert system for determination of upper extremity impairment rating. <i>Computer Methods and Programs in Biomedicine</i> , 1993, 39, 203-211.	2.6	4
189	Mathematical three-dimensional solid modeling of biventricular geometry. <i>Annals of Biomedical Engineering</i> , 1993, 21, 199-219.	1.3	14
190	Comparative three-dimensional analysis of CT-scans of the calvaria and cranial base in Apert and Crouzon syndromes. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 1993, 21, 181-188.	0.7	156
191	Helical CT image noise-analytical results. <i>Medical Physics</i> , 1993, 20, 1635-1640.	1.6	39
192	<title>Semiautomatic classification of alveolar bone quality</title>. , 1992, 1652, 678.		3
193	Automated solid models from serial section images. <i>Journal of Digital Imaging</i> , 1992, 5, 126-133.	1.6	5
194	Growth of the Cranial Base in Craniosynostosis. <i>Cleft Palate-Craniofacial Journal</i> , 1991, 28, 55-67.	0.5	37
195	Surgical Management of Sagittal Synostosis. <i>Neurosurgery Clinics of North America</i> , 1991, 2, 629-640.	0.8	110
196	Unicoronal Synostosis. <i>Neurosurgery Clinics of North America</i> , 1991, 2, 641-653.	0.8	23
197	Growth of the Cranial Base in Craniosynostosis. <i>Cleft Palate-Craniofacial Journal</i> , 1991, 28, 55-67.	0.5	46
198	Validation of Magnetic Resonance Imaging (MRI) multispectral tissue classification. <i>Computerized Medical Imaging and Graphics</i> , 1991, 15, 217-223.	3.5	76

#	ARTICLE	IF	CITATIONS
199	The effect of alignment errors on bitewing-based bone loss measurements. <i>Journal of Clinical Periodontology</i> , 1991, 18, 708-712.	2.3	32
200	ROC analysis of observer-response subjective rating data—application to periodontal radiograph assessment. <i>American Journal of Physical Anthropology</i> , 1991, 84, 351-361.	2.1	7
201	Dental development in South African australopithecines. Part I: Problems of pattern and chronology. <i>American Journal of Physical Anthropology</i> , 1991, 86, 121-136.	2.1	82
202	Dental development in South African australopithecines. Part II: Dental stage assessment. <i>American Journal of Physical Anthropology</i> , 1991, 86, 137-156.	2.1	46
203	Calcaneal and pelvic fractures: Diagnostic evaluation by three-dimensional computed tomography scans. <i>Journal of Digital Imaging</i> , 1991, 4, 143-152.	1.6	23
204	Evaluation of congenital heart disease by three-dimensional magnetic resonance imaging. <i>Journal of Digital Imaging</i> , 1991, 4, 153-158.	1.6	12
205	Three-dimensional surface reconstructions using a general purpose image processing system. <i>Computerized Medical Imaging and Graphics</i> , 1990, 14, 35-42.	3.5	13
206	Quantitative evaluation of digital dental radiograph imaging systems. <i>Oral Surgery, Oral Medicine, and Oral Pathology</i> , 1990, 70, 661-668.	0.6	50
207	Validation study of skull three-dimensional computerized tomography measurements. <i>American Journal of Physical Anthropology</i> , 1990, 82, 283-294.	2.1	126
208	Periodontal Disease Morbidity Quantification. I. Optimal Selection of Teeth for Periodontal Bone Loss Surveys. <i>Journal of Periodontology</i> , 1990, 61, 618-622.	1.7	18
209	Periodontal Disease Morbidity Quantification. II. Validation of Alveolar Bone Loss Measurements and Vertical Defect Diagnosis From Digital Bite-Wing Images. <i>Journal of Periodontology</i> , 1990, 61, 623-632.	1.7	40
210	Cortical asymmetries in frontal lobes of Rhesus monkeys (<i>Macaca mulatta</i>). <i>Brain Research</i> , 1990, 512, 40-45.	1.1	72
211	Reassessment of the Taung early hominid from a neurological perspective. <i>Journal of Human Evolution</i> , 1989, 18, 485-492.	1.3	97
212	Endocranial suture closure in rhesus macaques (<i>Macaca mulatta</i>). <i>American Journal of Physical Anthropology</i> , 1989, 80, 417-428.	2.1	20
213	Three-dimensional measurement accuracy of skull surface landmarks. <i>American Journal of Physical Anthropology</i> , 1988, 76, 497-503.	2.1	59
214	The nature of Taung dental maturation continued. <i>Nature</i> , 1988, 333, 808-808.	13.7	21
215	Noninvasive Three-Dimensional Reconstruction of the Heart and Great Vessels by ECG-Gated Magnetic Resonance Imaging: A New Diagnostic Modality. <i>Annals of Thoracic Surgery</i> , 1988, 45, 505-514.	0.7	18
216	Computers in Computer Axial Tomography. <i>Computers in Physics</i> , 1988, 2, 39.	0.6	3

#	ARTICLE	IF	CITATIONS
217	Preoperative three-dimensional reconstruction of the heart and great vessels in patients with congenital heart disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1988, 96, 464-473.	0.4	25
218	The Anatomy of the Cranio-orbital Deformities of Craniosynostosis: Insights from 3-D Images of CT Scans. <i>Clinics in Plastic Surgery</i> , 1987, 14, 49-60.	0.7	22
219	Dental development of the Taung skull from computerized tomography. <i>Nature</i> , 1987, 329, 625-627.	13.7	178
220	The Skeletal Anatomy of Mandibulofacial Dysostosis (Treacher Collins Syndrome). <i>Plastic and Reconstructive Surgery</i> , 1986, 78, 460-468.	0.7	67
221	In Vivo Delineation of Facial Fractures: The Application of Advanced Medical Imaging Technology. <i>Annals of Plastic Surgery</i> , 1986, 17, 364-376.	0.5	14
222	Comments on "A New CT-Aided Stereotactic Neurosurgery Technique". <i>IEEE Transactions on Biomedical Engineering</i> , 1986, BME-33, 723-724.	2.5	0
223	Applications of Computer Graphics in Craniofacial Surgery. <i>Clinics in Plastic Surgery</i> , 1986, 13, 441-448.	0.7	39
224	Three-dimensional cranial surface reconstructions using high-resolution computed tomography. <i>American Journal of Physical Anthropology</i> , 1985, 67, 299-311.	2.1	47
225	Three-dimensional imaging of the wrist. <i>Journal of Hand Surgery</i> , 1985, 10, 32-39.	0.7	54
226	Computerized Imaging for Soft Tissue and Osseous Reconstruction in the Head and Neck. <i>Clinics in Plastic Surgery</i> , 1985, 12, 279-291.	0.7	42
227	Surface reconstructions from computerized tomographic scans for evaluation of malignant skull destruction. <i>American Journal of Surgery</i> , 1984, 148, 530-533.	0.9	11
228	Three dimensional computer graphics for craniofacial surgical planning and evaluation. <i>Computer Graphics</i> , 1983, 17, 263-273.	0.1	172
229	The "Third" Dimension in Craniofacial Surgery. <i>Plastic and Reconstructive Surgery</i> , 1983, 71, 759-767.	0.7	161
230	Novel therapeutics and drug-delivery approaches in the modulation of glioblastoma stem cell resistance. <i>Therapeutic Delivery</i> , 0, , .	1.2	4