

Michael W Vannier

List of Publications by Year in descending order

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230
papers

13,297
citations

29994

54
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24179

110
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236
all docs

236
docs citations

236
times ranked

11015
citing authors

#	ARTICLE	IF	CITATIONS
1	Subgenual prefrontal cortex abnormalities in mood disorders. <i>Nature</i> , 1997, 386, 824-827.	13.7	2,502
2	Hippocampal atrophy in recurrent major depression.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 3908-3913.	3.3	1,698
3	Why do commercial CT scanners still employ traditional, filtered back-projection for image reconstruction?. <i>Inverse Problems</i> , 2009, 25, 123009.	1.0	417
4	Iterative deblurring for CT metal artifact reduction. <i>IEEE Transactions on Medical Imaging</i> , 1996, 15, 657-664.	5.4	329
5	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
6	National Institutes of Health State-of-the-Science Conference Statement: ERCP for diagnosis and therapy, January 14-16, 2002. <i>Gastrointestinal Endoscopy</i> , 2002, 56, 803-809.	0.5	221
7	Three-dimensional hippocampal MR morphometry with high-dimensional transformation of a neuroanatomic atlas.. <i>Radiology</i> , 1997, 202, 504-510.	3.6	212
8	National Institutes of Health State-of-the-Science Conference Statement: ERCP for diagnosis and therapy, January 14-16, 2002. <i>Gastrointestinal Endoscopy</i> , 2002, 56, 803-809.	0.5	194
9	Dental development of the Taung skull from computerized tomography. <i>Nature</i> , 1987, 329, 625-627.	13.7	178
10	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
11	Three dimensional computer graphics for craniofacial surgical planning and evaluation. <i>Computer Graphics</i> , 1983, 17, 263-273.	0.1	172
12	The "Third" Dimension in Craniofacial Surgery. <i>Plastic and Reconstructive Surgery</i> , 1983, 71, 759-767.	0.7	161
13	Craniofacial measurements based on 3D-CT volume rendering: implications for clinical applications. <i>Dentomaxillofacial Radiology</i> , 2004, 33, 170-176.	1.3	157
14	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
15	Validation of medical image processing in image-guided therapy. <i>IEEE Transactions on Medical Imaging</i> , 2002, 21, 1445-1449.	5.4	153
16	Plagiocephaly: Differential Diagnosis Based on Endocranial Morphology. <i>Plastic and Reconstructive Surgery</i> , 1996, 97, 282-291.	0.7	152
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Fast iterative algorithm for metal artifact reduction in X-ray CT. Academic Radiology, 2000, 7, 607-614.	1.3	133
20	Lung cancer—a fractal viewpoint. Nature Reviews Clinical Oncology, 2015, 12, 664-675.	12.5	129
21	Validation study of skull three-dimensional computerized tomography measurements. American Journal of Physical Anthropology, 1990, 82, 283-294.	2.1	126
22	Individualizing neuro-anatomical atlases using a massively parallel computer. Computer, 1996, 29, 32-38.	1.2	126
23	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
24	Introduction to the Non-rigid Image Registration Evaluation Project (NIREP). Lecture Notes in Computer Science, 2006, , 128-135.	1.0	111
25	Surgical Management of Sagittal Synostosis. Neurosurgery Clinics of North America, 1991, 2, 629-640.	0.8	110
26	Computed tomography scanning with image reconstruction in evaluation of distal radius fractures. Journal of Hand Surgery, 1994, 19, 720-727.	0.7	109
27	Preliminary Study of Magnetic Resonance Imaging Characteristics in 8- to 16-Year-Olds with Mania. Journal of the American Academy of Child and Adolescent Psychiatry, 1995, 34, 742-749.	0.3	106
28	Total Hip Prosthesis Metal-Artifact Suppression Using Iterative Deblurring Reconstruction. Journal of Computer Assisted Tomography, 1997, 21, 293-298.	0.5	103
29	Image-based dose planning of intracavitary brachytherapy: registration of serial-imaging studies using deformable anatomic templates. International Journal of Radiation Oncology Biology Physics, 2001, 51, 227-243.	0.4	102
30	Determining scientific impact using a collaboration index. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9680-9685.	3.3	102
31	Reassessment of the Taung early hominid from a neurological perspective. Journal of Human Evolution, 1989, 18, 485-492.	1.3	97
32	Longitudinal resolution in volumetric x-ray computerized tomography-Analytical comparison between conventional and helical computerized tomography. Medical Physics, 1994, 21, 429-433.	1.6	97
33	Hippocampal MR imaging morphometry by means of general pattern matching.. Radiology, 1996, 199, 787-791.	3.6	89
34	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
35	GI tract unraveling with curved cross sections. IEEE Transactions on Medical Imaging, 1998, 17, 318-322.	5.4	85
36	Dental development in South African australopithecines. Part I: Problems of pattern and chronology. American Journal of Physical Anthropology, 1991, 86, 121-136.	2.1	82

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37	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
38	Validation of Magnetic Resonance Imaging (MRI) multispectral tissue classification. <i>Computerized Medical Imaging and Graphics</i> , 1991, 15, 217-223.	3.5	76
39	An inverse approach to determining myocardial material properties. <i>Journal of Biomechanics</i> , 1995, 28, 935-948.	0.9	76
40	Craniofacial Computerassisted Surgical Planning and Simulation. <i>Clinics in Plastic Surgery</i> , 1994, 21, 501-516.	0.7	75
41	Visualization of colorectal polyps with spiral CT colography: evaluation of processing parameters with perspective volume rendering.. <i>Radiology</i> , 1997, 205, 701-707.	3.6	73
42	Three-dimensional dental imaging by spiral CT. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 1997, 84, 561-570.	1.6	73
43	Cortical asymmetries in frontal lobes of Rhesus monkeys (<i>Macaca mulatta</i>). <i>Brain Research</i> , 1990, 512, 40-45.	1.1	72
44	The operating room and the need for an IT infrastructure and standards. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2006, 1, 117-121.	1.7	72
45	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
46	Relationship between Bone and Muscles of Mastication in Hemifacial Microsomia. <i>Plastic and Reconstructive Surgery</i> , 1997, 99, 990-997.	0.7	70
47	Diagnostic performance of CT, MPR and 3DCT imaging in maxillofacial trauma. <i>Computerized Medical Imaging and Graphics</i> , 1995, 19, 385-395.	3.5	69
48	Spiral CT image deblurring for cochlear implantation. <i>IEEE Transactions on Medical Imaging</i> , 1998, 17, 251-262.	5.4	68
49	The Skeletal Anatomy of Mandibulofacial Dysostosis (Treacher Collins Syndrome). <i>Plastic and Reconstructive Surgery</i> , 1986, 78, 460-468.	0.7	67
50	Attachment loss with postmenopausal age and smoking. <i>Journal of Periodontal Research</i> , 1997, 32, 619-625.	1.4	64
51	3D volume rendering using multislice CT for dental implants.. <i>Dentomaxillofacial Radiology</i> , 2002, 31, 218-223.	1.3	62
52	Blind deblurring of spiral CT images. <i>IEEE Transactions on Medical Imaging</i> , 2003, 22, 837-845.	5.4	61
53	Three-dimensional measurement accuracy of skull surface landmarks. <i>American Journal of Physical Anthropology</i> , 1988, 76, 497-503.	2.1	59
54	The effect of pitch in multislice spiral/helical CT. <i>Medical Physics</i> , 1999, 26, 2648-2653.	1.6	58

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55	Three-dimensional imaging of the wrist. <i>Journal of Hand Surgery</i> , 1985, 10, 32-39.	0.7	54
56	Quantitative evaluation of digital dental radiograph imaging systems. <i>Oral Surgery, Oral Medicine, and Oral Pathology</i> , 1990, 70, 661-668.	0.6	50
57	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
58	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
59	Three-dimensional cranial surface reconstructions using high-resolution computed tomography. <i>American Journal of Physical Anthropology</i> , 1985, 67, 299-311.	2.1	47
60	Growth of the Cranial Base in Craniosynostosis. <i>Cleft Palate-Craniofacial Journal</i> , 1991, 28, 55-67.	0.5	46
61	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
62	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
63	Orbital Dysmorphology in Unilateral Coronal Synostosis. <i>Cleft Palate-Craniofacial Journal</i> , 1996, 33, 190-197.	0.5	42
64	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
65	Quantification of Facial Surface Change Using a Structured Light Scanner. <i>Plastic and Reconstructive Surgery</i> , 1994, 94, 768-774.	0.7	41
66	Mandibular Dysmorphology in Unicoronal Synostosis and Plagiocephaly without Synostosis. <i>Cleft Palate-Craniofacial Journal</i> , 1996, 33, 418-423.	0.5	41
67	Mandibular Dysmorphology in Unicoronal Synostosis and Plagiocephaly without Synostosis. <i>Cleft Palate-Craniofacial Journal</i> , 1996, 33, 418-423.	0.5	41
68	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
69	Helical CT image noise-analytical results. <i>Medical Physics</i> , 1993, 20, 1635-1640.	1.6	39
70	Validity of multislice computerized tomography for diagnosis of maxillofacial fractures using an independent workstation. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2004, 98, 715-720.	1.6	39
71	Applications of Computer Graphics in Craniofacial Surgery. <i>Clinics in Plastic Surgery</i> , 1986, 13, 441-448.	0.7	39
72	Spiral computed tomographic colonography: Determination of the central axis and digital unraveling of the colon. <i>Academic Radiology</i> , 1997, 4, 367-373.	1.3	38

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73	Towards Omni-Tomographyâ€”Grand Fusion of Multiple Modalities for Simultaneous Interior Tomography. PLoS ONE, 2012, 7, e39700.	1.1	38
74	Growth of the Cranial Base in Craniosynostosis. Cleft Palate-Craniofacial Journal, 1991, 28, 55-67.	0.5	37
75	Lower extremity residual limb slippage within the prosthesis. Archives of Physical Medicine and Rehabilitation, 1997, 78, 476-485.	0.5	37
76	Optimal pitch in spiral computed tomography. Medical Physics, 1997, 24, 1635-1639.	1.6	36
77	Orbital Dymorphology in Unilateral Coronal Synostosis. Cleft Palate-Craniofacial Journal, 1996, 33, 190-197.	0.5	34
78	Navigation in diagnosis and therapy. European Journal of Radiology, 1999, 31, 132-140.	1.2	34
79	ImageParser: a tool for finite element generation from three-dimensional medical images. BioMedical Engineering OnLine, 2004, 3, 31.	1.3	34
80	Precision of surface measurements for below-knee residua. Archives of Physical Medicine and Rehabilitation, 1996, 77, 477-486.	0.5	33
81	Post-acquisition correction of MR inhomogeneities. Magnetic Resonance in Medicine, 1996, 36, 275-286.	1.9	33
82	The effect of alignment errors on bitewing-based bone loss measurements. Journal of Clinical Periodontology, 1991, 18, 708-712.	2.3	32
83	Stereological MRI volumetry of the frontal lobe. Psychiatry Research - Neuroimaging, 1996, 67, 203-214.	0.9	32
84	Anthropometric Optical Surface Imaging System Repeatability, Precision, and Validation. Annals of Plastic Surgery, 1995, 34, 362-371.	0.5	31
85	The Craniofacial Anomalies Archive at St. Louis Children's Hospital: 20 Years of Craniofacial Imaging Experience. Plastic and Reconstructive Surgery, 2001, 108, 1862-1870.	0.7	31
86	Analytic modeling of breast elastography. Medical Physics, 2003, 30, 2340-2349.	1.6	31
87	Spatial variation of section sensitivity profile in spiral computed tomography. Medical Physics, 1994, 21, 1491-1497.	1.6	29
88	Unwrapping cochlear implants by spiral CT. IEEE Transactions on Biomedical Engineering, 1996, 43, 891-900.	2.5	29
89	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
90	Vision 20/20: Simultaneous CT&MRI â€” Next chapter of multimodality imaging. Medical Physics, 2015, 42, 5879-5889.	1.6	29

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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	Sharing Images. <i>Radiology</i> , 2003, 228, 23-25.	3.6	28
93	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
94	Synthesizing average 3D anatomical shapes. <i>NeuroImage</i> , 2006, 32, 146-158.	2.1	27
95	Stability of Fronto-Orbital Advancement in Nonsyndromic Bilateral Coronal Synostosis: A Quantitative Three-Dimensional Computed Tomographic Study. <i>Plastic and Reconstructive Surgery</i> , 1996, 98, 393-405.	0.7	27
96	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
97	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
98	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
99	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
100	Straightening the colon with curved cross sections: An approach to CT colonography. <i>Academic Radiology</i> , 1999, 6, 398-410.	1.3	25
101	Spatial Variation of Resolution and Noise in Multi-â€œDetector Row Spiral CT. <i>Academic Radiology</i> , 2003, 10, 607-613.	1.3	24
102	Unicoronal Synostosis. <i>Neurosurgery Clinics of North America</i> , 1991, 2, 641-653.	0.8	23
103	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
104	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
105	Assessing craniofacial surgical simulation. <i>IEEE Computer Graphics and Applications</i> , 1996, 16, 46-54.	1.0	22
106	A bibliometric analysis of academic publication and NIH funding. <i>Journal of Informetrics</i> , 2013, 7, 318-324.	1.4	22
107	The nature of Taung dental maturation continued. <i>Nature</i> , 1988, 333, 808-808.	13.7	21
108	Below-knee residual limb shape change measurement and visualization. <i>Archives of Physical Medicine and Rehabilitation</i> , 1998, 79, 772-782.	0.5	21

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109	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
110	Endocranial suture closure in rhesus macaques (<i>Macaca mulatta</i>). <i>American Journal of Physical Anthropology</i> , 1989, 80, 417-428.	2.1	20
111	Low-contrast resolution in volumetric x-ray CT-Analytical comparison between conventional and spiral CT. <i>Medical Physics</i> , 1997, 24, 373-376.	1.6	20
112	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
113	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
114	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
115	Anatomic Considerations in Botulinum Toxin Type A Therapy for Spasmodic Dysphonia. <i>Laryngoscope</i> , 1994, 104, 656-662.	1.1	19
116	<title>Colon unraveling based on electrical field: recent progress and further work</title>., 1999, 3660, 125.		19
117	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
118	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
119	Finite element modeling and experimental verification of lower extremity shape change under load. <i>Journal of Biomechanics</i> , 1997, 30, 531-536.	0.9	18
120	<title>GI tract unraveling by spiral CT</title>., 1995, , .		17
121	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
122	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
123	Automatic measurement of the labyrinth using image registration and a deformable inner ear atlas. <i>Academic Radiology</i> , 2003, 10, 988-999.	1.3	16
124	CT Colonography with Computer-aided Detection: Recognizing the Causes of False-Positive Reader Results. <i>Radiographics</i> , 2014, 34, 1885-1905.	1.4	16
125	Temporal bone volumetric image deblurring in spiral computed tomography scanning. <i>Academic Radiology</i> , 1995, 2, 888-895.	1.3	15
126	Maximum volume coverage in spiral computed tomography scanning. <i>Academic Radiology</i> , 1996, 3, 423-428.	1.3	15

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127	Image-Guided Therapy. Academic Radiology, 2001, 8, 888-897.	1.3	15
128	Blind deblurring of spiral CT images-comparative studies on edge-to-noise ratios. Medical Physics, 2002, 29, 821-829.	1.6	15
129	Modeling of Elastic Modulus Evolution of Cirrhotic Human Liver. IEEE Transactions on Biomedical Engineering, 2004, 51, 1854-1856.	2.5	15
130	In Vivo Delineation of Facial Fractures: The Application of Advanced Medical Imaging Technology. Annals of Plastic Surgery, 1986, 17, 364-376.	0.5	14
131	Effects of region of interest outline variations on gray-scale frequency distributions for alveolar bone. Oral Surgery, Oral Medicine, and Oral Pathology, 1993, 75, 638-644.	0.6	14
132	Mathematical three-dimensional solid modeling of biventricular geometry. Annals of Biomedical Engineering, 1993, 21, 199-219.	1.3	14
133	Visualization and quantitative analysis of talocrural joint kinematics. Computerized Medical Imaging and Graphics, 1994, 18, 443-448.	3.5	14
134	Medical image archives "present and future." , 2002, , 565-570.		14
135	Three-dimensional surface reconstructions using a general purpose image processing system. Computerized Medical Imaging and Graphics, 1990, 14, 35-42.	3.5	13
136	Digital radiographic image-based bone level measurements: effect of film density. Journal of Clinical Periodontology, 1993, 20, 595-600.	2.3	13
137	The validation of 3D spiral CT based measurements of simulated maxillofacial neoplasms. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2000, 89, 753-758.	1.6	13
138	Evaluation of congenital heart disease by three-dimensional magnetic resonance imaging. Journal of Digital Imaging, 1991, 4, 153-158.	1.6	12
139	Virtual arthroscopy of the visible human female temporomandibular joint. Journal of Oral and Maxillofacial Surgery, 1999, 57, 807-811.	0.5	12
140	Evaluation of 3D Imaging. Critical Reviews in Diagnostic Imaging, 2000, 41, 315-378.	0.1	12
141	Fast algorithm for soft straightening of the colon. Academic Radiology, 2000, 7, 142-148.	1.3	12
142	BMI-Based Radiation Dose Reduction in CT Colonography. Academic Radiology, 2013, 20, 486-492.	1.3	12
143	Three-Dimensional Lower-Extremity Residua Measurement Systems Error Analysis. Journal of Prosthetics and Orthotics, 1997, 9, 67-76.	0.2	12
144	Surface reconstructions from computerized tomographic scans for evaluation of malignant skull destruction. American Journal of Surgery, 1984, 148, 530-533.	0.9	11

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145	Assessment of mass properties of human head using various three-dimensional imaging modalities. Medical and Biological Engineering and Computing, 1995, 33, 278-284.	1.6	11
146	Visualization of prosthesis fit in lower-limb amputees. IEEE Computer Graphics and Applications, 1997, 17, 16-29.	1.0	11
147	<title>Synthesizing average 3D anatomical shapes using deformable templates</title>. , 1999, , .		11
148	Accuracy and precision of spiral CT in the assessment of neoplastic lesions associated with the mandible. Academic Radiology, 2000, 7, 97-99.	1.3	9
149	Design of a PC-based multimedia telemedicine system for brain function teleconsultation. International Journal of Medical Informatics, 2001, 61, 217-227.	1.6	9
150	Binary Nature and Radiographic Identifiability of Craniosynostosis. Investigative Radiology, 1994, 29, 890-896.	3.5	8
151	Effect of Premature Sagittal Suture Closure on Craniofacial Morphology in a Prehistoric Male Hopi. Cleft Palate-Craniofacial Journal, 1994, 31, 385-396.	0.5	8
152	Bolus characteristics based on Magnetic Resonance Angiography. BioMedical Engineering OnLine, 2006, 5, 53.	1.3	8
153	Evaluation of an ossifying fibroma using three-dimensional computed tomography. Dentomaxillofacial Radiology, 2001, 30, 342-345.	1.3	8
154	ROC analysis of observer-response subjective rating dataâ€™ application to periodontal radiograph assessment. American Journal of Physical Anthropology, 1991, 84, 351-361.	2.1	7
155	<title>Hippocampal MR volumetry</title>. , 1994, 2359, 660.		7
156	<title>Model of intravenous bolus propagation for optimization of contrast enhancement</title>. , 2000, 3978, 436.		7
157	Localization of cochlear implant electrodes in radiographs. Medical Physics, 2000, 27, 775-777.	1.6	7
158	Aerosolized In Vivo 3D Localization of Nose-to-Brain Nanocarrier Delivery Using Multimodality Neuroimaging in a Rat Modelâ€™ Protocol Development. Pharmaceutics, 2021, 13, 391.	2.0	7
159	Spatial Dysmorphology of the Foot in Apert Syndrome: Three-dimensional Computed Tomography. Cleft Palate-Craniofacial Journal, 1995, 32, 255-262.	0.5	6
160	<title>Spiral CT: current status and future directions</title>. , 1997, 3149, 203.		6
161	Rapid PROPELLERâ€™MRI: A combination of iterative reconstruction and underâ€™sampling. Journal of Magnetic Resonance Imaging, 2012, 36, 1241-1247.	1.9	6
162	Techniques of CT Colonography (Virtual Colonoscopy). Critical Reviews in Biomedical Engineering, 1999, 27, 1-25.	0.5	6

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163	Automated solid models from serial section images. Journal of Digital Imaging, 1992, 5, 126-133.	1.6	5
164	<i>Guest Editorial</i>: Subtraction Radiography. Journal of Periodontology, 1996, 67, 949-950.	1.7	5
165	Digital X-ray stereophotogrammetry for cochlear implantation. IEEE Transactions on Biomedical Engineering, 2000, 47, 1120-1130.	2.5	5
166	Cancer Imaging Informatics Workshop Report from the Biomedical Imaging Program of the National Cancer Institute. Academic Radiology, 2003, 10, 798-802.	1.3	5
167	Three-Dimensional Localization of Cochlear Implant Electrodes Using Epipolar Stereophotogrammetry. IEEE Transactions on Biomedical Engineering, 2004, 51, 838-846.	2.5	5
168	CT clinical perspective: Challenges and the impact of future technology developments. , 2009, 2009, 1909-12.		5
169	A Cloud-Based Image Analysis Gateway for Traumatic Brain Injury Research. , 2014, , .		5
170	Automated Coronary Artery Calcium Scoring for Chest CT Scans. Radiology, 2020, 295, 80-81.	3.6	5
171	Medical Imaging Workstations: What Is Missing and What Is Coming?. Archives of Pathology and Laboratory Medicine, 2009, 133, 542-546.	1.2	5
172	Rule based artificial intelligence expert system for determination of upper extremity impairment rating. Computer Methods and Programs in Biomedicine, 1993, 39, 203-211.	2.6	4
173	Relationship of squamosal suture to asterion on external skull surfaces versus endocasts of pongids: Implications for Hadar early hominid AL 162-28. American Journal of Physical Anthropology, 1994, 93, 435-439.	2.1	4
174	<title>Comparison of automated and manual segmentation of hippocampus MR images</title>. , 1995, 2434, 206.		4
175	Coronary artery mapping: A method for three-dimensional reconstruction of epicardial anatomy. Journal of Digital Imaging, 1995, 8, 35-42.	1.6	4
176	Distortion reduction for fast soft straightening of the colon. Academic Radiology, 2000, 7, 506-515.	1.3	4
177	Screening Mammography: What Good Is It and How Can We Know If It Works?. Journal of the National Cancer Institute, 2012, 104, 1039-1040.	3.0	4
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