

Matthew A Barish

List of Publications by Year in descending order

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66
papers

3,731
citations

236612

25
h-index

168136

53
g-index

68
all docs

68
docs citations

68
times ranked

2265
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comparison of Virtual and Conventional Colonoscopy for the Detection of Colorectal Polyps. <i>New England Journal of Medicine</i> , 1999, 341, 1496-1503.	13.9	709
2	CT Colonography Reporting and Data System: A Consensus Proposal. <i>Radiology</i> , 2005, 236, 3-9.	3.6	574
3	Pancreatic duct: MR cholangiopancreatography with a three-dimensional fast spin-echo technique.. <i>Radiology</i> , 1995, 196, 459-464.	3.6	225
4	Magnetic Resonance Cholangiopancreatography. <i>New England Journal of Medicine</i> , 1999, 341, 258-264.	13.9	221
5	MR cholangiopancreatography after unsuccessful or incomplete ERCP.. <i>Radiology</i> , 1996, 199, 91-98.	3.6	142
6	Amyloidosis: Review and CT Manifestations. <i>Radiographics</i> , 2004, 24, 405-416.	1.4	140
7	Postdischarge thromboembolic outcomes and mortality of hospitalized patients with COVID-19: the CORE-19 registry. <i>Blood</i> , 2021, 137, 2838-2847.	0.6	133
8	Three-dimensional Fast-Recovery Fast Spin-Echo MRCP: Comparison with Two-dimensional Single-Shot Fast Spin-Echo Techniques. <i>Radiology</i> , 2006, 238, 549-559.	3.6	121
9	Predictors of Prostate Carcinoma: Accuracy of Gray-Scale and Color Doppler US and Serum Markers. <i>Radiology</i> , 2001, 220, 757-764.	3.6	116
10	Detection of Choledocholithiasis with MR Cholangiography: Comparison of Three-dimensional Fast Spin-Echo and Single- and Multisection Half-Fourier Rapid Acquisition with Relaxation Enhancement Sequences. <i>Radiology</i> , 2000, 215, 737-745.	3.6	115
11	Diagnostic performance evaluation in a retrospective multicenter setting1 1Vital Images Inc. has supported research at UCLA (to D. S. K. L., J. A. B., and E. G. M.). Monex provided support (to M. M.). GE Medical Systems provided software license and research support (to C.) Tj ETQq1 1,0784314 rgBT /Ove (to M. A. B.).The study design was approved by the National Cancer Institute Cancer Therapy Evaluati. <i>Gastroenterology</i> , 2003, 125, 688-695.	0.6	107
12	Consensus on Current Clinical Practice of Virtual Colonoscopy. <i>American Journal of Roentgenology</i> , 2005, 184, 786-792.	1.0	106
13	ACR Colon Cancer Committee White Paper: Status of CT Colonography 2009. <i>Journal of the American College of Radiology</i> , 2009, 6, 756-772.e4.	0.9	86
14	Texture Feature Extraction and Analysis for Polyp Differentiation via Computed Tomography Colonography. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 1522-1531.	5.4	75
15	3D-GLCM CNN: A 3-Dimensional Gray-Level Co-Occurrence Matrix-Based CNN Model for Polyp Classification via CT Colonography. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 2013-2024.	5.4	75
16	Standards for Gastroenterologists for Performing and Interpreting Diagnostic Computed Tomographic Colonography. <i>Gastroenterology</i> , 2007, 133, 1005-1024.	0.6	71
17	MR cholangiopancreatography: findings on 3D fast spin-echo imaging.. <i>American Journal of Roentgenology</i> , 1995, 165, 1397-1401.	1.0	64
18	MR hydrography: theory and practice of static fluid imaging.. <i>American Journal of Roentgenology</i> , 1998, 170, 873-882.	1.0	64

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19	External validation demonstrates limited clinical utility of the interpretable mortality prediction model for patients with COVID-19. <i>Nature Machine Intelligence</i> , 2021, 3, 25-27.	8.3	45
20	Acute flank pain: A modern approach to diagnosis and management. <i>Seminars in Ultrasound, CT and MRI</i> , 1999, 20, 108-135.	0.7	43
21	Reader Training in CT Colonography: How Much Is Enough?. <i>Radiology</i> , 2005, 237, 26-27.	3.6	41
22	Increasing computer-aided detection specificity by projection features for CT colonography. <i>Medical Physics</i> , 2010, 37, 1468-1481.	1.6	40
23	Incidence of Venous Thromboembolism and Mortality in Patients with Initial Presentation of COVID-19. <i>Journal of Thrombosis and Thrombolysis</i> , 2021, 51, 897-901.	1.0	39
24	Validation of the IMPROVE-ED risk assessment model for venous thromboembolism among hospitalized patients with COVID-19. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2021, 5, 296-300.	1.0	34
25	Haustral Fold Segmentation With Curvature-Guided Level Set Evolution. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 321-331.	2.5	28
26	Virtual Colonoscopy. <i>JAMA - Journal of the American Medical Association</i> , 2004, 292, 431.	3.8	22
27	National and Local Trends in CT Colonography Reimbursement: Past, Present, and Future. <i>Journal of the American College of Radiology</i> , 2007, 4, 776-799.	0.9	21
28	Use and Accuracy of Computed Tomography Scan in Diagnosing Perforated Appendicitis. <i>American Surgeon</i> , 2015, 81, 404-407.	0.4	21
29	External validation of the IMPROVE-DD risk assessment model for venous thromboembolism among inpatients with COVID-19. <i>Journal of Thrombosis and Thrombolysis</i> , 2021, 52, 1032-1035.	1.0	21
30	Magnetic Resonance Cholangiopancreatography of the Biliary Ducts. <i>Topics in Magnetic Resonance Imaging</i> , 1996, 8, 302-311.	0.7	20
31	An adaptive paradigm for computer-aided detection of colonic polyps. <i>Physics in Medicine and Biology</i> , 2015, 60, 7207-7228.	1.6	17
32	Sex-Based Differences in COVID-19 Outcomes. <i>Journal of Women's Health</i> , 2021, 30, 492-501.	1.5	17
33	Magnetic resonance imaging of the bile ducts. <i>Seminars in Roentgenology</i> , 1997, 32, 188-201.	0.2	15
34	Multislice CT colonography: current status and limitations. <i>European Journal of Radiology</i> , 2003, 47, 123-134.	1.2	14
35	CT colonography's role in the COVID-19 pandemic: a safe(r), socially distanced total colon examination. <i>Abdominal Radiology</i> , 2021, 46, 486-490.	1.0	13
36	State-of-the-Art Computed Tomographic and Magnetic Resonance Imaging of the Gastrointestinal System. <i>Gastrointestinal Endoscopy Clinics of North America</i> , 2005, 15, 581-614.	0.6	11

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37	Abdominal pelvic CT findings compared between COVID-19 positive and COVID-19 negative patients in the emergency department setting. <i>Abdominal Radiology</i> , 2021, 46, 1498-1505.	1.0	11
38	Multislice CT Colonography: Current Status and Limitations. <i>Radiologic Clinics of North America</i> , 2005, 43, 1049-1062.	0.9	10
39	Risk factors and outcomes for acute-on-chronic liver failure in COVID-19: a large multi-center observational cohort study. <i>Hepatology International</i> , 2021, 15, 766-779.	1.9	10
40	Multi-scale characterizations of colon polyps via computed tomographic colonography. <i>Visual Computing for Industry, Biomedicine, and Art</i> , 2019, 2, 25.	2.2	9
41	Advanced Image Processing in the Clinical Arena: Issues to Consider. <i>Journal of the American College of Radiology</i> , 2006, 3, 296-298.	0.9	8
42	Multilayer feature selection method for polyp classification via computed tomographic colonography. <i>Journal of Medical Imaging</i> , 2019, 6, 1.	0.8	8
43	MR CHOLANGIOGRAPHY. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2001, 9, 841-855.	0.6	8
44	Crowdsourcing for identification of polyp-free segments in virtual colonoscopy videos. , 2017, , .		8
45	Unraveling Intestinal Malrotation With 3-Dimensional Computed Tomography. <i>Clinical Gastroenterology and Hepatology</i> , 2006, 4, A29-A29.	2.4	5
46	Thromboembolic Outcomes of Hospitalized COVID-19 Patients in the 90-Day Post-Discharge Period: Early Data from the Northwell CORE-19 Registry. <i>Blood</i> , 2020, 136, 33-34.	0.6	5
47	Inadvertent intravesicular placement of a vaginal contraceptive ring: a case report and review of literature. <i>Journal of Radiology Case Reports</i> , 2014, 8, 22-8.	0.2	5
48	A local geometrical metric-based model for polyp classification. , 2019, , .		5
49	Virtual colonoscopy: a new tool for colorectal cancer screening. <i>Current Opinion in Gastroenterology</i> , 2001, 17, 78-85.	1.0	4
50	Texture Feature Analysis of Neighboring Colon Wall for Colorectal Polyp Classification. , 2017, , .		4
51	Structured reporting and quality control in CT colonography. <i>Abdominal Radiology</i> , 2018, 43, 566-573.	1.0	4
52	3D Virtual Pancreatography. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2022, 28, 1457-1468.	2.9	4
53	Crowd-assisted polyp annotation of virtual colonoscopy videos. , 2018, , .		4
54	AnaFe : Visual Anal ytics of Image-derived Temporal Fe atures Focusing on the Spleen. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2017, 23, 171-180.	2.9	3

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55	MR cholangiopancreatography techniques. Seminars in Ultrasound, CT and MRI, 1999, 20, 281-293.	0.7	2
56	Evaluation of electronic biopsy for clinical diagnosis in virtual colonoscopy. , 2011, , .		2
57	CT pulmonary angiography in pregnancy: Specific conversion factors to estimate effective radiation dose from dose length product: A retrospective cross-sectional study across a multi-hospital integrated healthcare network. European Journal of Radiology, 2021, 143, 109908.	1.2	2
58	Projection-based features for reducing false positives in computer-aided detection of colonic polyps in CT colonography. Proceedings of SPIE, 2010, , .	0.8	1
59	A New Look at Gray-level Co-occurrence for Multi-scale Texture Descriptor with Applications to Characterize Colorectal Polyps via Computed Tomographic Colonography. , 2018, , .		1
60	Spectral CT Inspired Data Engineering for Colon Polyp Classification. , 2019, , .		1
61	A pyramid machine learning model for polyp classification via CT colonography. , 2019, , .		1
62	Automatic colonic fold segmentation for computed tomography colonography. Proceedings of SPIE, 2012, , .	0.8	0
63	A study of oral contrast coating on the surface of polyps: an implication for computer-aided detection and classification of polyps. Proceedings of SPIE, 2017, , .	0.8	0
64	A statistical analysis of oral tagging in CT colonography and its impact on flat polyp detection and characterization. , 2019, , .		0
65	Improved polyp classification by inclusion of the surrounding colon wall textures. , 2019, , .		0
66	Magnetic resonance cholangiopancreatography. , 0, , 23-32.		0