

Behrang Amini

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

2,365
citations

236612

25
h-index

264894

42
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117
all docs

117
docs citations

117
times ranked

3193
citing authors

#	ARTICLE	IF	CITATIONS
1	Approaches to Assessment of Muscle Mass and Myosteatosis on Computed Tomography: A Systematic Review. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 1671-1678.	1.7	173
2	Outcomes for Spine Stereotactic Body Radiation Therapy and an Analysis of Predictors of Local Recurrence. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 92, 1016-1026.	0.4	101
3	Strain differences in the behavioral responses of male rats to chronically administered methylphenidate. <i>Brain Research</i> , 2003, 971, 139-152.	1.1	99
4	Utilization of laser interstitial thermotherapy guided by real-time thermal MRI as an alternative to separation surgery in the management of spinal metastasis. <i>Journal of Neurosurgery: Spine</i> , 2015, 23, 400-411.	0.9	79
5	Single-fraction versus multifraction spinal stereotactic radiosurgery for spinal metastases from renal cell carcinoma: secondary analysis of Phase I/II trials. <i>Journal of Neurosurgery: Spine</i> , 2016, 24, 829-836.	0.9	79
6	Reprogrammed marrow adipocytes contribute to myeloma-induced bone disease. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	69
7	Current Update on Desmoid Fibromatosis. <i>Journal of Computer Assisted Tomography</i> , 2019, 43, 29-38.	0.5	63
8	Incidence and Predictive Factors of Pain Flare After Spine Stereotactic Body Radiation Therapy: Secondary Analysis of Phase 1/2 Trials. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 870-876.	0.4	62
9	ACR Appropriateness Criteria Â® Suspected Osteomyelitis, Septic Arthritis, or Soft Tissue Infection (Excluding Spine and Diabetic Foot). <i>Journal of the American College of Radiology</i> , 2017, 14, S326-S337.	0.9	58
10	ACR Appropriateness Criteria Acute Trauma to the Knee. <i>Journal of the American College of Radiology</i> , 2015, 12, 1164-1172.	0.9	53
11	Thymidine phosphorylase exerts complex effects on bone resorption and formation in myeloma. <i>Science Translational Medicine</i> , 2016, 8, 353ra113.	5.8	53
12	Stereotactic Body Radiation Therapy for Spinal Metastases in the Postoperative Setting: A Secondary Analysis of Mature Phase 1-2 Trials. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 1405-1413.	0.4	50
13	DIFFERENTIAL LOCOMOTOR RESPONSES IN MALE RATS FROM THREE STRAINS TO ACUTE METHYLPHENIDATE. <i>International Journal of Neuroscience</i> , 2004, 114, 1063-1084.	0.8	49
14	ACR Appropriateness Criteria Follow-Up of Malignant or Aggressive Musculoskeletal Tumors. <i>Journal of the American College of Radiology</i> , 2016, 13, 389-400.	0.9	48
15	Can the spinal instability neoplastic score prior to spinal radiosurgery predict compression fractures following stereotactic spinal radiosurgery for metastatic spinal tumor?: a post hoc analysis of prospective phase II single-institution trials. <i>Journal of Neuro-Oncology</i> , 2016, 126, 509-517.	1.4	47
16	Creation of a Prognostic Index for Spine Metastasis to Stratify Survival in Patients Treated With Spinal Stereotactic Radiosurgery: Secondary Analysis of Mature Prospective Trials. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 93, 118-125.	0.4	45
17	Imaging Evaluation of Malignant Chest Wall Neoplasms. <i>Radiographics</i> , 2016, 36, 1285-1306.	1.4	45
18	The use of spine stereotactic radiosurgery for oligometastatic disease. <i>Journal of Neurosurgery: Spine</i> , 2016, 25, 239-247.	0.9	43

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19	Osseous Pseudoprogession in Vertebral Bodies Treated with Stereotactic Radiosurgery: A Secondary Analysis of Prospective Phase I/II Clinical Trials. <i>American Journal of Neuroradiology</i> , 2016, 37, 387-392.	1.2	38
20	Whole body magnetic resonance imaging (WB-MRI) and brain MRI baseline surveillance in TP53 germline mutation carriers: experience from the Li-Fraumeni Syndrome Education and Early Detection (LEAD) clinic. <i>Familial Cancer</i> , 2018, 17, 287-294.	0.9	38
21	Spine Stereotactic Radiosurgery for Patients with Metastatic Thyroid Cancer: Secondary Analysis of Phase I/II Trials. <i>Thyroid</i> , 2016, 26, 1269-1275.	2.4	34
22	Image guidance based on MRI for spinal interstitial laser thermotherapy: technical aspects and accuracy. <i>Journal of Neurosurgery: Spine</i> , 2017, 26, 605-612.	0.9	31
23	Outcomes After Reduced-Dose Intensity Modulated Radiation Therapy for Gastric Mucosa-Associated Lymphoid Tissue (MALT) Lymphoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 104, 447-455.	0.4	31
24	Spine stereotactic radiosurgery for metastatic sarcoma: patterns of failure and radiation treatment volume considerations. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 303-311.	0.9	29
25	A pilot study of pembrolizumab in smoldering myeloma: report of the clinical, immune, and genomic analysis. <i>Blood Advances</i> , 2019, 3, 2400-2408.	2.5	28
26	¹⁸ F-FDG PET/CT as an Indicator of Survival in Ewing Sarcoma of Bone. <i>Journal of Cancer</i> , 2017, 8, 2892-2898.	1.2	27
27	Synovial Sarcoma of the Head and Neck: A Single Institution Review. <i>Sarcoma</i> , 2017, 2017, 1-8.	0.7	27
28	Mesenchymal Chondrosarcoma: a Review with Emphasis on its Fusion-Driven Biology. <i>Current Oncology Reports</i> , 2018, 20, 37.	1.8	27
29	First-in-human trial of multikinase VEGF inhibitor regorafenib and anti-EGFR antibody cetuximab in advanced cancer patients. <i>JCI Insight</i> , 2017, 2, .	2.3	26
30	Society of Skeletal Radiology's white paper. Guidelines for the diagnostic management of incidental solitary bone lesions on CT and MRI in adults: bone reporting and data system (Bone-RADS). <i>Skeletal Radiology</i> , 2022, 51, 1743-1764.	1.2	26
31	Contemporary imaging of soft tissue sarcomas. <i>Journal of Surgical Oncology</i> , 2015, 111, 496-503.	0.8	25
32	ACR Appropriateness Criteria® Chronic Knee Pain. <i>Journal of the American College of Radiology</i> , 2018, 15, S302-S312.	0.9	23
33	A Multicenter Phase II Single Arm Trial of Isatuximab in Patients with High Risk Smoldering Multiple Myeloma (HRSMM). <i>Blood</i> , 2019, 134, 3116-3116.	0.6	23
34	ACR Appropriateness Criteria® Shoulder Pain—Traumatic. <i>Journal of the American College of Radiology</i> , 2018, 15, S171-S188.	0.9	21
35	ACR Appropriateness Criteria® Chronic Ankle Pain. <i>Journal of the American College of Radiology</i> , 2018, 15, S26-S38.	0.9	21
36	Risks and Benefits of Gadolinium-Based Contrast-Enhanced MRI. <i>Seminars in Ultrasound, CT and MRI</i> , 2020, 41, 170-182.	0.7	21

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37	18F-fluorodeoxyglucose positron emission tomography correlates with tumor immunometabolic phenotypes in resected lung cancer. <i>Cancer Immunology, Immunotherapy</i> , 2020, 69, 1519-1534.	2.0	21
38	Spontaneous Activity of Dopaminergic Retinal Neurons. <i>Biophysical Journal</i> , 2003, 85, 2158-2169.	0.2	20
39	Li-Fraumeni Syndrome and Whole-Body MRI Screening: Screening Guidelines, Imaging Features, and Impact on Patient Management. <i>American Journal of Roentgenology</i> , 2021, 216, 252-263.	1.0	19
40	Phase II study of the c-MET inhibitor tivantinib (ARQ 197) in patients with relapsed or relapsed/refractory multiple myeloma. <i>Annals of Hematology</i> , 2017, 96, 977-985.	0.8	18
41	ACR Appropriateness Criteria® Acute Hip Pain-Suspected Fracture. <i>Journal of the American College of Radiology</i> , 2019, 16, S18-S25.	0.9	18
42	Diagnostic nuclear medicine in the ED. <i>American Journal of Emergency Medicine</i> , 2011, 29, 91-101.	0.7	17
43	MRI may be used as a prognostic indicator in patients with extra-abdominal desmoid tumours. <i>British Journal of Radiology</i> , 2016, 89, 20150308.	1.0	17
44	ACR Appropriateness Criteria® Chronic Back Pain-Suspected Sacroiliitis-Spondyloarthropathy. <i>Journal of the American College of Radiology</i> , 2017, 14, S62-S70.	0.9	17
45	Retrospective Review of the Use of High-Dose Cyclophosphamide, Bortezomib, Doxorubicin, and Dexamethasone for the Treatment of Multiple Myeloma and Plasma Cell Leukemia. <i>Clinical Lymphoma, Myeloma and Leukemia</i> , 2019, 19, 560-569.	0.2	17
46	Synovial Sarcoma of Peripheral Nerves. <i>American Journal of Surgical Pathology</i> , 2017, 41, 1087-1096.	2.1	16
47	Primary Lung and Large Airway Neoplasms in Children. <i>Radiologic Clinics of North America</i> , 2013, 51, 637-657.	0.9	15
48	Percutaneous surgery for treatment of epidural spinal cord compression and spinal instability: technical note. <i>Neurosurgical Focus</i> , 2016, 41, E2.	1.0	15
49	Heterogeneity in Treatment Response of Spine Metastases to Spine Stereotactic Radiosurgery Within "Radiosensitive" Subtypes. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 1207-1215.	0.4	15
50	Treatment patterns, efficacy and toxicity of regorafenib in gastrointestinal stromal tumour patients. <i>Scientific Reports</i> , 2017, 7, 9519.	1.6	15
51	Bortezomib, lenalidomide, and dexamethasone with panobinostat for front-line treatment of patients with multiple myeloma who are eligible for transplantation: a phase 1 trial. <i>Lancet Haematology</i> , 2018, 5, e628-e640.	2.2	15
52	Low incidence of late failure and toxicity after spine stereotactic radiosurgery: Secondary analysis of phase I/II trials with long-term follow-up. <i>Radiotherapy and Oncology</i> , 2019, 138, 80-85.	0.3	15
53	Radiation therapy for salivary gland MALT lymphoma: ultra-low dose treatment achieves encouraging early outcomes and spares salivary function. <i>Leukemia and Lymphoma</i> , 2020, 61, 171-175.	0.6	14
54	Differentiation of Benign Fluid Collections from Soft-Tissue Sarcomas on FDG-PET/CT. <i>Journal of Cancer</i> , 2014, 5, 328-335.	1.2	13

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55	Giant Cell Tumor of Cervical Spine Presenting as Acute Asphyxia. <i>Spine</i> , 2017, 42, E629-E632.	1.0	13
56	Bone and Soft Tissue Tumors About the Foot and Ankle. <i>Radiologic Clinics of North America</i> , 2018, 56, 917-934.	0.9	13
57	Tumor thrombus in the large veins draining primary pelvic osteosarcoma on cross sectional imaging. <i>European Journal of Radiology</i> , 2018, 105, 49-55.	1.2	13
58	Focal uptake at the rotator interval or inferior capsule of shoulder on 18F-FDG PET/CT is associated with adhesive capsulitis. <i>Skeletal Radiology</i> , 2017, 46, 533-538.	1.2	12
59	Predictive Value of Preoperative Magnetic Resonance Imaging Findings for Survival and Local Recurrence in Patients Undergoing En Bloc Resection of Sacral Chordomas. <i>Neurosurgery</i> , 2019, 85, 834-842.	0.6	12
60	Soft tissue Langerhans cell histiocytosis with secondary bone involvement in extremities: evolution of lesions in two patients. <i>Skeletal Radiology</i> , 2013, 42, 1301-1309.	1.2	11
61	State-of-the-Art Imaging and Staging of Plasma Cell Dyscrasias. <i>Radiologic Clinics of North America</i> , 2016, 54, 581-596.	0.9	11
62	Some new angles on the magic angle: what MSK radiologists know and don't know about this phenomenon. <i>Skeletal Radiology</i> , 2018, 47, 1673-1681.	1.2	11
63	Carfilzomib-based combination regimens are highly effective frontline therapies for multiple myeloma and Waldenström's macroglobulinemia. <i>Leukemia and Lymphoma</i> , 2019, 60, 964-970.	0.6	11
64	Confidence Calibration: An Introduction With Application to Quality Improvement. <i>Journal of the American College of Radiology</i> , 2020, 17, 620-628.	0.9	10
65	New paradigm for radiation in multiple myeloma: lower yet effective dose to avoid radiation toxicity. <i>Haematologica</i> , 2020, 105, e355-e357.	1.7	10
66	Calcified synovial metastasis in the knee from renal cell carcinoma: a case report. <i>Skeletal Radiology</i> , 2017, 46, 123-127.	1.2	9
67	Imaging of liposarcomas for clinicians: Characteristic features and differential considerations. <i>Journal of Surgical Oncology</i> , 2018, 117, 1195-1203.	0.8	9
68	Teaching Radiology Physics Interactively with Scientific Notebook Software. <i>Academic Radiology</i> , 2018, 25, 801-810.	1.3	9
69	Minimal Residual Disease Negativity Does Not Overcome Poor Prognosis in High-Risk Multiple Myeloma: A Single-Center Retrospective Study. <i>Clinical Lymphoma, Myeloma and Leukemia</i> , 2020, 20, e221-e238.	0.2	9
70	A comparison of spinal laser interstitial thermotherapy with open surgery for metastatic thoracic epidural spinal cord compression. <i>Journal of Neurosurgery: Spine</i> , 2020, 32, 667-675.	0.9	9
71	MRI features of Lyme arthritis of the hips. <i>Pediatric Radiology</i> , 2007, 37, 1163-1165.	1.1	8
72	Outcomes After Hypofractionated Dose-Escalation using a Simultaneous Integrated Boost Technique for Treatment of Spine Metastases Not Amenable to Stereotactic Radiosurgery. <i>Practical Radiation Oncology</i> , 2019, 9, e142-e148.	1.1	8

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73	Gadolinium-based Contrast Agents Improve Detection of Recurrent Soft-Tissue Sarcoma at MRI. <i>Radiology Imaging Cancer</i> , 2020, 2, e190046.	0.7	8
74	Updated Results of a Phase II Study of Lenalidomide-Elotuzumab As Maintenance Therapy Post-Autologous Stem Cell Transplant (AuSCT) in Patients (Pts) with Multiple Myeloma (MM). <i>Blood</i> , 2018, 132, 1982-1982.	0.6	8
75	Systemic Chemotherapies Retain Antitumor Activity in Desmoid Tumors Independent of Specific Mutations in <i>CTNNB1</i> or <i>APC</i> : A Multi-institutional Retrospective Study. <i>Clinical Cancer Research</i> , 2022, 28, 4092-4104.	3.2	8
76	Postoperative Radiotherapy for Multiple Myeloma of Long Bones: Should the Entire Rod Be Treated?. <i>Clinical Lymphoma, Myeloma and Leukemia</i> , 2019, 19, e465-e469.	0.2	7
77	Hitting a Moving Target: Successful Management of Diffuse Large B-cell Lymphoma Involving the Mesentery With Volumetric Image-guided Intensity Modulated Radiation Therapy. <i>Clinical Lymphoma, Myeloma and Leukemia</i> , 2019, 19, e51-e61.	0.2	7
78	Adhesive Capsulitis Mimicking Metastasis on 18F-FDG-PET/CT. <i>Clinical Nuclear Medicine</i> , 2015, 40, e145-e147.	0.7	6
79	Multicystic dedifferentiated retroperitoneal liposarcoma: tumour cyst fluid analysis and implications for management. <i>BMJ Case Reports</i> , 2015, 2015, bcr2015211218.	0.2	6
80	Regression of an enchondroma: a case report and proposed etiology. <i>Skeletal Radiology</i> , 2015, 44, 739-742.	1.2	6
81	Advanced, Interactive, Image-based Education: Technology and Pedagogy. <i>Current Problems in Diagnostic Radiology</i> , 2020, 49, 74-81.	0.6	6
82	Phase I/Ib study of carfilzomib and panobinostat with or without dexamethasone in patients with relapsed/refractory multiple myeloma. <i>Haematologica</i> , 2020, 105, e242-e245.	1.7	6
83	Short-Term Changes in Skeletal Muscle Mass After Anthracycline Administration in Adolescent and Young Adult Sarcoma Patients. <i>Journal of Adolescent and Young Adult Oncology</i> , 2022, 11, 320-322.	0.7	6
84	Spine stereotactic radiosurgery for metastatic thyroid cancer: a single-institution experience. <i>Journal of Neurosurgery: Spine</i> , 2020, 32, 941-949.	0.9	6
85	Internal validation of the prognostic index for spine metastasis (PRISM) for stratifying survival in patients treated with spinal stereotactic radiosurgery. <i>Journal of Radiosurgery and SBRT</i> , 2017, 5, 25-34.	0.2	6
86	Scientific Notebook Software: Applications for Academic Radiology. <i>Current Problems in Diagnostic Radiology</i> , 2018, 47, 368-377.	0.6	5
87	The degree of sclerosis is associated with prognosis in well-differentiated liposarcoma of the retroperitoneum. <i>Journal of Surgical Oncology</i> , 2019, 120, 382-388.	0.8	5
88	Update of a Phase II Study of Lenalidomide-Elotuzumab As Maintenance Therapy Post-Autologous Stem Cell Transplant (AuSCT) in Patients (Pts) with Multiple Myeloma (MM). <i>Blood</i> , 2020, 136, 46-47.	0.6	5
89	The acetabular fossa hot spot on 18F-FDG PET/CT: epidemiology, natural history, and proposed etiology. <i>Skeletal Radiology</i> , 2015, 44, 107-114.	1.2	4
90	Periosteal mesenchymal chondrosarcoma of the tibia with multifocal bone metastases: a case report. <i>Skeletal Radiology</i> , 2017, 46, 995-1000.	1.2	4

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91	Marrow uptake on FDG PET/CT is associated with progression from smoldering to symptomatic multiple myeloma. <i>Skeletal Radiology</i> , 2021, 50, 79-85.	1.2	4
92	Preliminary Results of a Phase II Study of Lenalidomide-Elotuzumab As Maintenance Therapy Post-Autologous Stem Cell Transplant in Patients with Multiple Myeloma. <i>Blood</i> , 2017, 130, 840-840.	0.6	4
93	Dedifferentiated chondrosarcoma with minimal or small dedifferentiated component. <i>Modern Pathology</i> , 2022, 35, 922-928.	2.9	4
94	A Model of the Rat Phrenic Motor Neuron. <i>IEEE Transactions on Biomedical Engineering</i> , 2004, 51, 1103-1114.	2.5	3
95	Spontaneous hip dislocation secondary to intraarticular neurofibroma: a case report. <i>Skeletal Radiology</i> , 2014, 43, 1007-11.	1.2	3
96	Liposarcoma of the thigh with mixed calcification and ossification. <i>Radiology Case Reports</i> , 2016, 11, 217-221.	0.2	3
97	Calcified leiomyoma of the deltoid: pathophysiology and imaging review. <i>Skeletal Radiology</i> , 2019, 48, 625-628.	1.2	3
98	Low risk of radiation myelopathy with relaxed spinal cord dose constraints in de novo, single fraction spine stereotactic radiosurgery. <i>Radiotherapy and Oncology</i> , 2020, 152, 49-55.	0.3	3
99	Spine stereotactic radiosurgery for metastases from hepatobiliary malignancies: patient selection using PRISM scoring. <i>Journal of Neuro-Oncology</i> , 2020, 148, 327-334.	1.4	3
100	Osteoid Tumors of Bone. <i>Seminars in Ultrasound, CT and MRI</i> , 2021, 42, 134-149.	0.7	3
101	Gene expression profiling predicts relapse-free and overall survival in newly diagnosed myeloma patients treated with novel therapies. <i>British Journal of Haematology</i> , 2021, 192, e115-e120.	1.2	3
102	Serum paraprotein persistence and size determine outcome in a cohort of patients with a modern definition of plasmacytoma with up to 19 years of follow up. <i>Blood Cancer Journal</i> , 2021, 11, 17.	2.8	3
103	Spinal laser interstitial thermal therapy: single-center experience and outcomes in the first 120 cases. <i>Journal of Neurosurgery: Spine</i> , 2021, 34, 354-363.	0.9	3
104	Measuring and Teaching Confidence Calibration Among Radiologists: A Multi-Institution Study. <i>Journal of the American College of Radiology</i> , 2020, 17, 1314-1321.	0.9	3
105	A model of the pacemaking neuron of the respiratory central pattern generator. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2005, 13, 120-124.	2.7	2
106	VIDEO: Preoperative CT Angiography for Anterolateral Thigh Flap Reconstructions. <i>American Journal of Roentgenology</i> , 2017, 208, W127-W127.	1.0	2
107	VIDEO: Preoperative CT Angiography for Scapula Osteocutaneous Free Flap Reconstructions. <i>American Journal of Roentgenology</i> , 2019, 213, W143-W144.	1.0	2
108	Extensive Changes of the Immune Microenvironment Are Associated with Progression from Precursor Stages to Multiple Myeloma. <i>Blood</i> , 2020, 136, 37-38.	0.6	2

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109	Consultation and citation rates for prior imaging studies and documents in radiology. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	0.8	2
110	Bone and Soft Tissue Tumors. <i>Radiologic Clinics of North America</i> , 2022, 60, 339-358.	0.9	2
111	VIDEO: Preoperative CT Angiography for Fibular Free Flap Reconstructions. <i>American Journal of Roentgenology</i> , 2018, 210, W264-W264.	1.0	1
112	Maneuvering the Management of a Rare Case of Primary Undifferentiated Cardiac Sarcoma. <i>American Journal of Case Reports</i> , 2020, 21, e918878.	0.3	1
113	Percutaneous Cryoablation of Scapular Metastasis Associated with Iatrogenic Injury to the Suprascapular, Subscapular, and Axillary Nerves. <i>Journal of Vascular and Interventional Radiology</i> , 2015, 26, 1247-1249.	0.2	0
114	Confidence Can Be Measured and Calibrated. <i>Journal of Graduate Medical Education</i> , 2021, 13, 138-138.	0.6	0
115	Case 295. <i>Radiology</i> , 2021, 300, 233-236.	3.6	0
116	Case 295: Pseudomyxoma from Mucinous Adenocarcinoma of the Appendix Extending from the Retroperitoneum into the Thigh. <i>Radiology</i> , 2021, 301, 490-494.	3.6	0
117	AML Cells Alter Bone Homeostasis By Promoting the Formation of Immature Bone and Resorption of Mature Bone That Supports Leukemia Progression. <i>Blood</i> , 2020, 136, 27-27.	0.6	0