

# Eric A Walker

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3522319/publications.pdf>

Version: 2024-02-01

66  
papers

3,182  
citations

201674

27  
h-index

155660

55  
g-index

68  
all docs

68  
docs citations

68  
times ranked

3158  
citing authors

#	ARTICLE	IF	CITATIONS
1	From the Archives of the AFIP. <i>Radiographics</i> , 2003, 23, 1245-1278.	3.3	458
2	Pigmented Villonodular Synovitis: Radiologic-Pathologic Correlation. <i>Radiographics</i> , 2008, 28, 1493-1518.	3.3	393
3	Understanding and Confronting Our Mistakes: The Epidemiology of Error in Radiology and Strategies for Error Reduction. <i>Radiographics</i> , 2015, 35, 1668-1676.	3.3	359
4	High Prevalence of Pelvic and Hip Magnetic Resonance Imaging Findings in Asymptomatic Collegiate and Professional Hockey Players. <i>American Journal of Sports Medicine</i> , 2011, 39, 715-721.	4.2	171
5	Soft-Tissue Myxomatous Lesions: Review of Salient Imaging Features with Pathologic Comparison. <i>Radiographics</i> , 2014, 34, 964-980.	3.3	103
6	Comparison of a particle filter and other state estimation methods for prognostics of lithium-ion batteries. <i>Journal of Power Sources</i> , 2015, 287, 1-12.	7.8	101
7	Tenosynovial (Extraarticular) Chondromatosis. <i>American Journal of Surgical Pathology</i> , 2003, 27, 1260-1268.	3.7	95
8	Magnetic Resonance Imaging of Benign Soft Tissue Neoplasms in Adults. <i>Radiologic Clinics of North America</i> , 2011, 49, 1197-1217.	1.8	91
9	Magnetic Resonance Imaging of Malignant Soft Tissue Neoplasms in the Adult. <i>Radiologic Clinics of North America</i> , 2011, 49, 1219-1234.	1.8	74
10	Prediction of Adsorption Energies for Chemical Species on Metal Catalyst Surfaces Using Machine Learning. <i>Journal of Physical Chemistry C</i> , 2018, 122, 28142-28150.	3.1	74
11	Imaging Features of Superficial and Deep Fibromatoses in the Adult Population. <i>Sarcoma</i> , 2012, 2012, 1-17.	1.3	71
12	Theoretical Investigation of the Hydrodeoxygenation of Levulinic Acid to $\gamma$ -Valerolactone over Ru(0001). <i>ACS Catalysis</i> , 2017, 7, 215-228.	11.2	65
13	ACR Appropriateness Criteria $\hat{A}$ 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.	1.8	58
14	Uncertainty Quantification Framework Applied to the Water-Gas Shift Reaction over Pt-Based Catalysts. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10328-10339.	3.1	56
15	ACR Appropriateness Criteria Acute Trauma to the Knee. <i>Journal of the American College of Radiology</i> , 2015, 12, 1164-1172.	1.8	53
16	Osteoarthritis year 2013 in review: imaging. <i>Osteoarthritis and Cartilage</i> , 2013, 21, 1425-1435.	1.3	51
17	Identifying Active Sites of the Water-Gas Shift Reaction over Titania Supported Platinum Catalysts under Uncertainty. <i>ACS Catalysis</i> , 2018, 8, 3990-3998.	11.2	49
18	ACR Appropriateness Criteria Follow-Up of Malignant or Aggressive Musculoskeletal Tumors. <i>Journal of the American College of Radiology</i> , 2016, 13, 389-400.	1.8	48

#	ARTICLE	IF	CITATIONS
19	Perceptual and Interpretive Error in Diagnostic Radiology—Causes and Potential Solutions. <i>Academic Radiology</i> , 2019, 26, 833-845.	2.5	48
20	Imaging characteristics of tenosynovial and bursal chondromatosis. <i>Skeletal Radiology</i> , 2011, 40, 317-325.	2.0	42
21	Magnetic Resonance Imaging of Soft-Tissue Masses. <i>Seminars in Roentgenology</i> , 2010, 45, 277-297.	0.6	41
22	Chondrosarcoma: A Diagnostic Imager's Guide to Decision Making and Patient Management. <i>Seminars in Musculoskeletal Radiology</i> , 2013, 17, 101-115.	0.7	39
23	Unlocking the Jaw: Advanced Imaging of the Temporomandibular Joint. <i>American Journal of Roentgenology</i> , 2014, 203, 1047-1058.	2.2	38
24	Solvent effects in the liquid phase hydrodeoxygenation of methyl propionate over a Pd(1 1 1) catalyst model. <i>Journal of Catalysis</i> , 2016, 333, 171-183.	6.2	37
25	An Approach to the Evaluation of Incidentally Identified Bone Lesions Encountered on Imaging Studies. <i>American Journal of Roentgenology</i> , 2017, 208, 960-970.	2.2	36
26	Learning To Predict Reaction Conditions: Relationships between Solvent, Molecular Structure, and Catalyst. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 3645-3654.	5.4	36
27	ACR Appropriateness Criteria® Soft-Tissue Masses. <i>Journal of the American College of Radiology</i> , 2018, 15, S189-S197.	1.8	35
28	Outcomes in diabetic foot ulcer patients with isolated T2 marrow signal abnormality in the underlying bone: should the diagnosis of "osteitis" be changed to "early osteomyelitis"? <i>Skeletal Radiology</i> , 2017, 46, 1327-1333.	2.0	28
29	Mechanistic Understanding of Methane Combustion over Ni/CeO <sub>2</sub> : A Combined Experimental and Theoretical Approach. <i>ACS Catalysis</i> , 2021, 11, 9345-9354.	11.2	26
30	Cobalt-Induced PdO Formation in Low-Loading Pd/BEA Catalysts for CH <sub>4</sub> Oxidation. <i>ACS Catalysis</i> , 2021, 11, 13066-13076.	11.2	25
31	Rapidly Progressive Osteoarthritis: Biomechanical Considerations. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2011, 19, 283-294.	1.1	23
32	Mechanism of Sulfur Poisoning of Sr <sub>2</sub> Fe <sub>1.5</sub> Mo <sub>0.5</sub> O <sub>6-<math>\delta</math></sub> Perovskite Anode under Solid Oxide Fuel Cell Conditions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23545-23552.	3.1	23
33	CheKiPEUQ Intro 1: Bayesian Parameter Estimation Considering Uncertainty or Error from both Experiments and Theory**. <i>ChemCatChem</i> , 2020, 12, 5385-5400.	3.7	23
34	ACR Appropriateness Criteria® Primary Bone Tumors. <i>Journal of the American College of Radiology</i> , 2020, 17, S226-S238.	1.8	22
35	ACR Appropriateness Criteria® Shoulder Pain—Traumatic. <i>Journal of the American College of Radiology</i> , 2018, 15, S171-S188.	1.8	21
36	ACR Appropriateness Criteria® Suspected Osteomyelitis of the Foot in Patients With Diabetes Mellitus. <i>Journal of the American College of Radiology</i> , 2019, 16, S440-S450.	1.8	20

#	ARTICLE	IF	CITATIONS
37	ACR Appropriateness Criteria® Acute Hand and Wrist Trauma. Journal of the American College of Radiology, 2019, 16, S7-S17.	1.8	20
38	What Does the Machine Learn? Knowledge Representations of Chemical Reactivity. Journal of Chemical Information and Modeling, 2020, 60, 1290-1301.	5.4	19
39	Ethylene and Water Co-Adsorption on Ag/SSZ-13 Zeolites: A Theoretical Study. Journal of Physical Chemistry C, 2020, 124, 7295-7306.	3.1	18
40	ACR Appropriateness Criteria® Chronic Back Pain Suspected Sacroiliitis-Spondyloarthritis. Journal of the American College of Radiology, 2017, 14, S62-S70.	1.8	17
41	Radiology Research Funding. Academic Radiology, 2018, 25, 26-39.	2.5	15
42	CheKiPELUQ Intro 2: Harnessing Uncertainties from Data Sets, Bayesian Design of Experiments in Chemical Kinetics**. ChemCatChem, 2020, 12, 5401-5410.	3.7	15
43	Propane Dehydrogenation on Platinum Catalysts: Identifying the Active Sites through Bayesian Analysis. ACS Catalysis, 2022, 12, 2487-2498.	11.2	15
44	Graph Theory Model of Dry Reforming of Methane Using Rh(111). Journal of Physical Chemistry Letters, 2020, 11, 4917-4922.	4.6	14
45	Quality metrics currently used in academic radiology departments: results of the QUALMET survey. British Journal of Radiology, 2017, 90, 20160827.	2.2	13
46	Characterizing Adsorption Sites on Ag/SSZ-13 Zeolites: Experimental Observations and Bayesian Inference. Journal of Physical Chemistry C, 2020, 124, 19174-19186.	3.1	13
47	Non-catalytic gas phase NO oxidation in the presence of decane. Fuel, 2021, 286, 119388.	6.4	12
48	Imaging findings of adiposis dolorosa vs. massive localized lymphedema. Skeletal Radiology, 2015, 44, 839-847.	2.0	11
49	Investigation of Potential Catalytic Active Sites of Pd/SSZ-13: A DFT Perspective. Journal of Physical Chemistry C, 2021, 125, 15262-15274.	3.1	9
50	Epitrochlear cat scratch disease: unique imaging features allowing differentiation from other soft tissue masses of the medial arm. Skeletal Radiology, 2016, 45, 1227-1234.	2.0	8
51	How a Quantum Computer Could Quantify Uncertainty in Microkinetic Models. Journal of Physical Chemistry Letters, 2021, 12, 6955-6960.	4.6	8
52	Postpartum sacral fracture in a 30-year-old female. Radiology Case Reports, 2009, 4, 264.	0.6	7
53	Dilemmas in Distinguishing Between Tumor and the Posttraumatic Lesion with Surgical or Pathologic Correlation. Clinics in Sports Medicine, 2013, 32, 559-576.	1.8	6
54	Linguine sign in musculoskeletal imaging: calf silicone implant rupture. Skeletal Radiology, 2015, 44, 1157-1160.	2.0	6

#	ARTICLE	IF	CITATIONS
55	Ag/ZSM-5 traps for C <sub>2</sub> H <sub>4</sub> and C <sub>7</sub> H <sub>8</sub> adsorption under cold-start conditions. <i>Microporous and Mesoporous Materials</i> , 2021, 327, 111428.	4.4	6
56	Ultrasound in Sports Injuries. <i>Clinics in Sports Medicine</i> , 2021, 40, 801-819.	1.8	5
57	Non-union rate of type II and III odontoid fractures in CPPD versus a control population. <i>Skeletal Radiology</i> , 2018, 47, 1499-1504.	2.0	3
58	Radiologic Update on Arthroplasties in the Wrist and Hand. <i>Seminars in Musculoskeletal Radiology</i> , 2019, 23, 151-161.	0.7	3
59	How a Quantum Computer Could Solve a Microkinetic Model. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 592-597.	4.6	3
60	Two foci of FDG-avid secondary tumoral calcinosis incidentally noted in a patient with small-cell lung carcinoma after PET/CT. <i>Radiology Case Reports</i> , 2014, 9, 998.	0.6	1
61	Flag Football Finger Pop. <i>Military Medicine</i> , 2016, 181, 1172-1173.	0.8	0
62	Metabolic Bone Lesions: Imaging Pitfalls. , 2017, , 713-741.		0
63	A case report of brown tumor in a patient with chronic renal failure and renal cell carcinoma. <i>Diagnostic Cytopathology</i> , 2018, 46, 355-361.	1.0	0
64	Imaging Diagnosis of Tumors and Tumorlike Conditions of the Shoulder. , 2019, , 269-299.		0
65	Prevalence of shoulder labral abnormalities on MRI in a non-athletic asymptomatic young adult population. <i>Skeletal Radiology</i> , 2021, 50, 921-925.	2.0	0
66	How a quantum computer could accurately solve a hydrogen-air combustion model. , 0, , .		0