Eric A Walker

List of Publications by Year
in descending order

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	Propane Dehydrogenation on Platinum Catalysts: Identifying the Active Sites through Bayesian Analysis. ACS Catalysis, 2022, 12, 2487-2498.	11.2	15
2	Prevalence of shoulder labral abnormalities on MRI in a non-athletic asymptomatic young adult population. Skeletal Radiology, 2021, 50, 921-925.	2.0	0
3	Non-catalytic gas phase NO oxidation in the presence of decane. Fuel, 2021, 286, 119388.	6.4	12
4	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
5	Mechanistic Understanding of Methane Combustion over Ni/CeO₂: A Combined Experimental and Theoretical Approach. ACS Catalysis, 2021, 11, 9345-9354.	11.2	26
6	How a Quantum Computer Could Quantify Uncertainty in Microkinetic Models. Journal of Physical Chemistry Letters, 2021, 12, 6955-6960.	4.6	8
7	Ultrasound in Sports Injuries. Clinics in Sports Medicine, 2021, 40, 801-819.	1.8	5
8	Ag/ZSM-5 traps for C2H4 and C7H8 adsorption under cold-start conditions. Microporous and Mesoporous Materials, 2021, 327, 111428.	4.4	6
9	How a Quantum Computer Could Solve a Microkinetic Model. Journal of Physical Chemistry Letters, 2021, 12, 592-597.	4.6	3
10	Cobalt-Induced PdO Formation in Low-Loading Pd/BEA Catalysts for CH₄ Oxidation. ACS Catalysis, 2021, 11, 13066-13076.	11.2	25
11	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
12	ACR Appropriateness CriteriaÂ® Primary Bone Tumors. Journal of the American College of Radiology, 2020, 17, S226-S238.	1.8	22
13	CheKiPEUQ Intro 2: Harnessing Uncertainties from Data Sets, Bayesian Design of Experiments in Chemical Kinetics**. ChemCatChem, 2020, 12, 5401-5410.	3.7	15
14	CheKiPEUQ Intro 1: Bayesian Parameter Estimation Considering Uncertainty or Error from both Experiments and Theory**. ChemCatChem, 2020, 12, 5385-5400.	3.7	23
15	Graph Theory Model of Dry Reforming of Methane Using Rh(111). Journal of Physical Chemistry Letters, 2020, 11, 4917-4922.	4.6	14
16	What Does the Machine Learn? Knowledge Representations of Chemical Reactivity. Journal of Chemical Information and Modeling, 2020, 60, 1290-1301.	5.4	19
17	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
18	Learning To Predict Reaction Conditions: Relationships between Solvent, Molecular Structure, and Catalyst. Journal of Chemical Information and Modeling, 2019, 59, 3645-3654.	5.4	36

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19	Imaging Diagnosis of Tumors and Tumorlike Conditions of theÂShoulder. , 2019, , 269-299.		0
20	ACR Appropriateness CriteriaÂ® Suspected Osteomyelitis of the Foot in Patients With DiabetesÂMellitus. Journal of the American College of Radiology, 2019, 16, S440-S450.	1.8	20
21	ACR Appropriateness CriteriaÂ® Acute Hand and Wrist Trauma. Journal of the American College of Radiology, 2019, 16, S7-S17.	1.8	20
22	Radiologic Update on Arthroplasties in the Wrist and Hand. Seminars in Musculoskeletal Radiology, 2019, 23, 151-161.	0.7	3
23	Perceptual and Interpretive Error in Diagnostic Radiologyâ€"Causes and Potential Solutions. Academic Radiology, 2019, 26, 833-845.	2.5	48
24	Identifying Active Sites of the Waterâ€"Gas Shift Reaction over Titania Supported Platinum Catalysts under Uncertainty. ACS Catalysis, 2018, 8, 3990-3998.	11.2	49
25	Radiology Research Funding. Academic Radiology, 2018, 25, 26-39.	2.5	15
26	A case report of brown tumor in a patient with chronic renal failure and renal cell carcinoma. Diagnostic Cytopathology, 2018, 46, 355-361.	1.0	0
27	Prediction of Adsorption Energies for Chemical Species on Metal Catalyst Surfaces Using Machine Learning. Journal of Physical Chemistry C, 2018, 122, 28142-28150.	3.1	74
28	Non-union rate of type II and III odontoid fractures in CPPD versus a control population. Skeletal Radiology, 2018, 47, 1499-1504.	2.0	3
29	ACR Appropriateness Criteria Â® Soft-TissueÂMasses. Journal of the American College of Radiology, 2018, 15, S189-S197.	1.8	35
30	ACR Appropriateness Criteria Â® ShoulderÂPainâ€"Traumatic. Journal of the American College of Radiology, 2018, 15, S171-S188.	1.8	21
31	Quality metrics currently used in academic radiology departments: results of the QUALMET survey. British Journal of Radiology, 2017, 90, 20160827.	2.2	13
32	An Approach to the Evaluation of Incidentally Identified Bone Lesions Encountered on Imaging Studies. American Journal of Roentgenology, 2017, 208, 960-970.	2.2	36
33	Outcomes in diabetic foot ulcer patients with isolated T2 marrow signal abnormality in the underlying bone: should the diagnosis of â€œosteitisâ€•be changed to â€œearly osteomyelitisâ€?. Skeletal Radiology, 2017, 46, 1327-1333.	2.0	28
34	ACR Appropriateness Criteria Â® Suspected Osteomyelitis, Septic Arthritis, or Soft Tissue Infection (Excluding Spine and Diabetic Foot). Journal of the American College of Radiology, 2017, 14, S326-S337.	1.8	58
35	ACR Appropriateness Criteria Â® Chronic BackÂPainÂSuspected Sacroiliitis-Spondyloarthropathy. Journal of the American College of Radiology, 2017, 14, S62-S70.	1.8	17
36	Metabolic Bone Lesions: Imaging Pitfalls. , 2017, , 713-741.		0

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37	Theoretical Investigation of the Hydrodeoxygenation of Levulinic Acid to Î³-Valerolactone over Ru(0001). ACS Catalysis, 2017, 7, 215-228.	11.2	65
38	Flag Football Finger Pop. Military Medicine, 2016, 181, 1172-1173.	0.8	0
39	ACR Appropriateness Criteria Follow-Up of Malignant or Aggressive Musculoskeletal Tumors. Journal of the American College of Radiology, 2016, 13, 389-400.	1.8	48
40	Uncertainty Quantification Framework Applied to the Waterâ€“Gas Shift Reaction over Pt-Based Catalysts. Journal of Physical Chemistry C, 2016, 120, 10328-10339.	3.1	56
41	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
42	Solvent effects in the liquid phase hydrodeoxygenation of methyl propionate over a Pd(1 1 1) catalyst model. Journal of Catalysis, 2016, 333, 171-183.	6.2	37
43	Imaging findings of adiposis dolorosa vs. massive localized lymphedema. Skeletal Radiology, 2015, 44, 839-847.	2.0	11
44	Linguine sign in musculoskeletal imaging: calf silicone implant rupture. Skeletal Radiology, 2015, 44, 1157-1160.	2.0	6
45	Comparison of a particle filter and other state estimation methods for prognostics of lithium-ion batteries. Journal of Power Sources, 2015, 287, 1-12.	7.8	101
46	Understanding and Confronting Our Mistakes: The Epidemiology of Error in Radiology and Strategies for Error Reduction. Radiographics, 2015, 35, 1668-1676.	3.3	359
47	ACR Appropriateness Criteria Acute Trauma to the Knee. Journal of the American College of Radiology, 2015, 12, 1164-1172.	1.8	53
48	Unlocking the Jaw: Advanced Imaging of the Temporomandibular Joint. American Journal of Roentgenology, 2014, 203, 1047-1058.	2.2	38
49	Soft-Tissue Myxomatous Lesions: Review of Salient Imaging Features with Pathologic Comparison. Radiographics, 2014, 34, 964-980.	3.3	103
50	Mechanism of Sulfur Poisoning of Sr₂Fe_{1.5}Mo_{0.5}O_{6-Î´} Perovskite Anode under Solid Oxide Fuel Cell Conditions. Journal of Physical Chemistry C, 2014, 118, 23545-23552.	3.1	23
51	Two foci of FDG-avid secondary tumoral calcinosis incidentally noted in a patient with small-cell lung carcinoma after PET/CT. Radiology Case Reports, 2014, 9, 998.	0.6	1
52	Osteoarthritis year 2013 in review: imaging. Osteoarthritis and Cartilage, 2013, 21, 1425-1435.	1.3	51
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	Chondrosarcoma: A Diagnostic Imager's Guide to Decision Making and Patient Management. Seminars in Musculoskeletal Radiology, 2013, 17, 101-115.	0.7	39

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55	Imaging Features of Superficial and Deep Fibromatoses in the Adult Population. Sarcoma, 2012, 2012, 1-17.	1.3	71
56	High Prevalence of Pelvic and Hip Magnetic Resonance Imaging Findings in Asymptomatic Collegiate and Professional Hockey Players. American Journal of Sports Medicine, 2011, 39, 715-721.	4.2	171
57	Rapidly Progressive Osteoarthritis: Biomechanical Considerations. Magnetic Resonance Imaging Clinics of North America, 2011, 19, 283-294.	1.1	23
58	Magnetic Resonance Imaging of Benign Soft Tissue Neoplasms in Adults. Radiologic Clinics of North America, 2011, 49, 1197-1217.	1.8	91
59	Magnetic Resonance Imaging of Malignant Soft Tissue Neoplasms in the Adult. Radiologic Clinics of North America, 2011, 49, 1219-1234.	1.8	74
60	Imaging characteristics of tenosynovial and bursal chondromatosis. Skeletal Radiology, 2011, 40, 317-325.	2.0	42
61	Magnetic Resonance Imaging of Soft-Tissue Masses. Seminars in Roentgenology, 2010, 45, 277-297.	0.6	41
62	Postpartum sacral fracture in a 30-year-old female. Radiology Case Reports, 2009, 4, 264.	0.6	7
63	Pigmented Villonodular Synovitis: Radiologic-Pathologic Correlation. Radiographics, 2008, 28, 1493-1518.	3.3	393
64	From the Archives of the AFIP. Radiographics, 2003, 23, 1245-1278.	3.3	458
65	Tenosynovial (Extraarticular) Chondromatosis. American Journal of Surgical Pathology, 2003, 27, 1260-1268.	3.7	95
66	How a quantum computer could accurately solve a hydrogen-air combustion model. , 0, , .		0