

Aaron M Lee

List of Publications by Year in descending order

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41
papers

5,631
citations

257450

24
h-index

289244

40
g-index

41
all docs

41
docs citations

41
times ranked

7134
citing authors

#	ARTICLE	IF	CITATIONS
1	Sex-specific associations between alcohol consumption, cardiac morphology, and function as assessed by magnetic resonance imaging: insights from the UK Biobank Population Study. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 1009-1016.	1.2	4
2	Subclinical Changes in Cardiac Functional Parameters as Determined by Cardiovascular Magnetic Resonance (CMR) Imaging in Sleep Apnea and Snoring: Findings from UK Biobank. <i>Medicina (Lithuania)</i> , 2021, 57, 555.	2.0	3
3	Cardiovascular magnetic resonance reference values of mitral and tricuspid annular dimensions: the UK Biobank cohort. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 5.	3.3	21
4	Improving the Generalizability of Convolutional Neural Network-Based Segmentation on CMR Images. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 105.	2.4	74
5	Right ventricular shape and function: cardiovascular magnetic resonance reference morphology and biventricular risk factor morphometrics in UK Biobank. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 41.	3.3	47
6	Pulmonary blood volume index as a quantitative biomarker of haemodynamic congestion in hypertrophic cardiomyopathy. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 1368-1376.	1.2	14
7	Changes in Cardiac Morphology and Function in Individuals With Diabetes Mellitus. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e009476.	2.6	43
8	Quantitative CMR population imaging on 20,000 subjects of the UK Biobank imaging study: LV/RV quantification pipeline and its evaluation. <i>Medical Image Analysis</i> , 2019, 56, 26-42.	11.6	41
9	Automated quality control in image segmentation: application to the UK Biobank cardiovascular magnetic resonance imaging study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 18.	3.3	78
10	Independent Left Ventricular Morphometric Atlases Show Consistent Relationships with Cardiovascular Risk Factors: A UK Biobank Study. <i>Scientific Reports</i> , 2019, 9, 1130.	3.3	43
11	Real-Time Prediction of Segmentation Quality. <i>Lecture Notes in Computer Science</i> , 2018, , 578-585.	1.3	23
12	Automated cardiovascular magnetic resonance image analysis with fully convolutional networks. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 65.	3.3	468
13	Association Between Ambient Air Pollution and Cardiac Morpho-Functional Phenotypes. <i>Circulation</i> , 2018, 138, 2175-2186.	1.6	70
14	Prospective association between handgrip strength and cardiac structure and function in UK adults. <i>PLoS ONE</i> , 2018, 13, e0193124.	2.5	37
15	The impact of menopausal hormone therapy (MHT) on cardiac structure and function: Insights from the UK Biobank imaging enhancement study. <i>PLoS ONE</i> , 2018, 13, e0194015.	2.5	19
16	Variation in lung function and alterations in cardiac structure and function—Analysis of the UK Biobank cardiovascular magnetic resonance imaging substudy. <i>PLoS ONE</i> , 2018, 13, e0194434.	2.5	6
17	Reference ranges for cardiac structure and function using cardiovascular magnetic resonance (CMR) in Caucasians from the UK Biobank population cohort. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017, 19, 18.	3.3	391
18	Evaluation of splenic switch off in a tertiary imaging centre: validation and assessment of utility. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1216-1221.	1.2	21

#	ARTICLE	IF	CITATIONS
19	The impact of cardiovascular risk factors on cardiac structure and function: Insights from the UK Biobank imaging enhancement study. PLoS ONE, 2017, 12, e0185114.	2.5	52
20	An observational study to assess if automated diabetic retinopathy image assessment software can replace one or more steps of manual imaging grading and to determine their cost-effectiveness. Health Technology Assessment, 2016, 20, 1-72.	2.8	88
21	Structural Consequences of S $\hat{\alpha}$ ' Se Substitution in some Symmetrical [M(S ₂ CNR ₂) ₃] Complexes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 2419-2423.	1.2	3
22	Advances in methods and algorithms in a modern quantum chemistry program package. Physical Chemistry Chemical Physics, 2006, 8, 3172-3191.	2.8	2,597
23	Computation and analysis of molecular Hartree-Fock momentum intracules. Molecular Physics, 2002, 100, 1763-1770.	1.7	20
24	Q-Chem 2.0: a high-performance ab initio electronic structure program package. Journal of Computational Chemistry, 2000, 21, 1532-1548.	3.3	617
25	Q-Chem 2.0: a high-performance ab initio electronic structure program package. , 2000, 21, 1532.		2
26	Computation of Coulomb and exchange radial intracule densities. Chemical Physics Letters, 1999, 313, 271-278.	2.6	28
27	Exchange vector potentials in current-density functional theory. Physical Review A, 1999, 59, 209-222.	2.5	20
28	Coulomb energies via Stewart densities. Chemical Physics Letters, 1998, 286, 226-232.	2.6	10
29	Investigations of the CASE approximation using the optimal partition of the Coulomb operator. Chemical Physics Letters, 1998, 292, 172-176.	2.6	2
30	Synthetic, Structural and Vibrational Spectroscopic Studies in Bismuth(III) Halide/N,N $\hat{\alpha}$ -Aromatic Bidentate Base Systems. I Large-Cation (2,2 $\hat{\alpha}$ -Bipyridinium and 1,10-Phenanthroline) Salts of Polyhalobismuthate(III) Ions. Australian Journal of Chemistry, 1998, 51, 293.	0.9	76
31	Synthetic, Structural and Vibrational Spectroscopic Studies in Bismuth(III) Halide/N,N $\hat{\alpha}$ -Aromatic Bidentate Base Systems. II Bipyridinium (2,2' Bipyridine) tetrahalobismuthate (III) (Halogen = Chloride or Tj ETQq1 d. 0.784314 rgBT /	0.9	14
32	Synthetic, Structural and Vibrational Spectroscopic Studies in Bismuth(III) Halide/N,N $\hat{\alpha}$ -Aromatic Bidentate Base Systems. III Some Novel Bismuth(III) Halide/N,N $\hat{\alpha}$ -Bidentate Ligand (1 : 1). Australian Journal of Chemistry, 1998, 51, 317.	0.9	23
33	Synthetic, Structural and Vibrational Spectroscopic Studies in Bismuth(III) Halide/N,N $\hat{\alpha}$ -Aromatic Bidentate Base Systems. IV Bismuth(III) Halide/N,N $\hat{\alpha}$ -Bidentate Ligand (1 : 1) Systems. Australian Journal of Chemistry, 1998, 51, 325.	0.9	33
34	Synthetic, Structural and Vibrational Spectroscopic Studies in Bismuth(III) Halide/N,N $\hat{\alpha}$ -Aromatic Bidentate Base Systems. V Bismuth(III) Halide/N,N $\hat{\alpha}$ -Bidentate Ligand (1 : 2) Systems. Australian Journal of Chemistry, 1998, 51, 331.	0.9	33
35	Optimal partition of the Coulomb operator. Physical Review A, 1997, 55, 3233-3235.	2.5	23
36	The adiabatic approximation. Chemical Physics Letters, 1996, 252, 425-430.	2.6	171

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37	Determination of frequency-dependent polarizabilities using current density-functional theory. <i>Physical Review A</i> , 1996, 53, 1316-1322.	2.5	83
38	The density functional calculation of nuclear shielding constants using London atomic orbitals. <i>Journal of Chemical Physics</i> , 1995, 103, 10095-10109.	3.0	187
39	The determination of hyperpolarizabilities using density functional theory with nonlocal functionals. <i>Journal of Chemical Physics</i> , 1994, 101, 9704-9709.	3.0	79
40	The calculation of magnetisabilities using current density functional theory. <i>Chemical Physics Letters</i> , 1994, 229, 225-232.	2.6	42
41	Dissociation of hydrogen and nitrogen molecules studied using density functional theory. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993, 89, 3999.	1.7	28