

# Elizabeth A Regan

## List of Publications by Year in descending order

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Version: 2024-02-01

111  
papers

7,820  
citations

66343

42  
h-index

54911

84  
g-index

112  
all docs

112  
docs citations

112  
times ranked

9028  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic Epidemiology of COPD (COPDGene) Study Design. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2011, 7, 32-43.	1.6	1,007
2	Genome-wide association study identifies multiple susceptibility loci for pulmonary fibrosis. Nature Genetics, 2013, 45, 613-620.	21.4	667
3	Pulmonary Arterial Enlargement and Acute Exacerbations of COPD. New England Journal of Medicine, 2012, 367, 913-921.	27.0	397
4	Clinical and Radiologic Disease in Smokers With Normal Spirometry. JAMA Internal Medicine, 2015, 175, 1539.	5.1	360
5	Variants in FAM13A are associated with chronic obstructive pulmonary disease. Nature Genetics, 2010, 42, 200-202.	21.4	348
6	Risk loci for chronic obstructive pulmonary disease: a genome-wide association study and meta-analysis. Lancet Respiratory Medicine, the, 2014, 2, 214-225.	10.7	291
7	A genome-wide association study of COPD identifies a susceptibility locus on chromosome 19q13. Human Molecular Genetics, 2012, 21, 947-957.	2.9	216
8	GOLD 2011 disease severity classification in COPDGene: a prospective cohort study. Lancet Respiratory Medicine, the, 2013, 1, 43-50.	10.7	209
9	Epidemiology, genetics, and subtyping of preserved ratio impaired spirometry (PRISm) in COPDGene. Respiratory Research, 2014, 15, 89.	3.6	196
10	Early-Onset Chronic Obstructive Pulmonary Disease Is Associated with Female Sex, Maternal Factors, and African American Race in the COPDGene Study. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 414-420.	5.6	176
11	Quantitative Computed Tomography Measures of Pectoralis Muscle Area and Disease Severity in Chronic Obstructive Pulmonary Disease. A Cross-Sectional Study. Annals of the American Thoracic Society, 2014, 11, 326-334.	3.2	168
12	Assessing the contribution of rare variants to complex trait heritability from whole-genome sequence data. Nature Genetics, 2022, 54, 263-273.	21.4	156
13	A Combined Pulmonary-Radiology Workshop for Visual Evaluation of COPD: Study Design, Chest CT Findings and Concordance with Quantitative Evaluation. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2012, 9, 151-159.	1.6	143
14	Blood eosinophil count thresholds and exacerbations in patients with chronic obstructive pulmonary disease. Journal of Allergy and Clinical Immunology, 2018, 141, 2037-2047.e10.	2.9	138
15	CT-based Visual Classification of Emphysema: Association with Mortality in the COPDGene Study. Radiology, 2018, 288, 859-866.	7.3	138
16	Longitudinal Phenotypes and Mortality in Preserved Ratio Impaired Spirometry in the COPDGene Study. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1397-1405.	5.6	132
17	Clinical and Radiographic Predictors of GOLD "Unclassified" Smokers in the COPDGene Study. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 57-63.	5.6	131
18	Extracellular superoxide dismutase and oxidant damage in osteoarthritis. Arthritis and Rheumatism, 2005, 52, 3479-3491.	6.7	128

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19	Cluster analysis in the COPDGene study identifies subtypes of smokers with distinct patterns of airway disease and emphysema. <i>Thorax</i> , 2014, 69, 416-423.	5.6	128
20	A genome-wide association study identifies risk loci for spirometric measures among smokers of European and African ancestry. <i>BMC Genetics</i> , 2015, 16, 138.	2.7	119
21	COPDGene® 2019: Redefining the Diagnosis of Chronic Obstructive Pulmonary Disease. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla )</i> , 2019, 6, 384-399.	0.7	112
22	The Role of Chest Computed Tomography in the Evaluation and Management of the Patient with Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 1372-1379.	5.6	97
23	Reduced Bone Density and Vertebral Fractures in Smokers. Men and COPD Patients at Increased Risk. <i>Annals of the American Thoracic Society</i> , 2015, 12, 648-656.	3.2	92
24	Common Genetic Polymorphisms Influence Blood Biomarker Measurements in COPD. <i>PLoS Genetics</i> , 2016, 12, e1006011.	3.5	88
25	Genome-wide imputation study identifies novel HLA locus for pulmonary fibrosis and potential role for auto-immunity in fibrotic idiopathic interstitial pneumonia. <i>BMC Genetics</i> , 2016, 17, 74.	2.7	84
26	Prediction of Acute Respiratory Disease in Current and Former Smokers With and Without COPD. <i>Chest</i> , 2014, 146, 941-950.	0.8	71
27	The clinical impact of non-obstructive chronic bronchitis in current and former smokers. <i>Respiratory Medicine</i> , 2014, 108, 491-499.	2.9	65
28	Machine Learning and Prediction of All-Cause Mortality in COPD. <i>Chest</i> , 2020, 158, 952-964.	0.8	62
29	Racial Differences in Quality of Life in Patients With COPD. <i>Chest</i> , 2011, 140, 1169-1176.	0.8	61
30	Pulmonary Function Reduction in Diabetes With and Without Chronic Obstructive Pulmonary Disease. <i>Diabetes Care</i> , 2014, 37, 389-395.	8.6	61
31	Impact of self-reported Gastroesophageal reflux disease in subjects from COPDGene cohort. <i>Respiratory Research</i> , 2014, 15, 62.	3.6	61
32	Subtyping COPD by Using Visual and Quantitative CT Imaging Features. <i>Chest</i> , 2020, 157, 47-60.	0.8	60
33	A Simplified Score to Quantify Comorbidity in COPD. <i>PLoS ONE</i> , 2014, 9, e114438.	2.5	58
34	Disease Progression Modeling in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 294-302.	5.6	56
35	Non-emphysematous chronic obstructive pulmonary disease is associated with diabetes mellitus. <i>BMC Pulmonary Medicine</i> , 2014, 14, 164.	2.0	55
36	Genetic Association and Risk Scores in a Chronic Obstructive Pulmonary Disease Meta-analysis of 16,707 Subjects. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 57, 35-46.	2.9	55

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37	Omics and the Search for Blood Biomarkers in Chronic Obstructive Pulmonary Disease. Insights from COPDGene. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 143-149.	2.9	54
38	Automated Telecommunication to Obtain Longitudinal Follow-up in a Multicenter Cross-sectional COPD Study. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2012, 9, 466-472.	1.6	52
39	Five-year Progression of Emphysema and Air Trapping at CT in Smokers with and Those without Chronic Obstructive Pulmonary Disease: Results from the COPDGene Study. Radiology, 2020, 295, 218-226.	7.3	52
40	Classification criteria for diffuse idiopathic skeletal hyperostosis: a lack of consensus. Rheumatology, 2017, 56, 1123-1134.	1.9	47
41	Airway wall thickening on CT: Relation to smoking status and severity of COPD. Respiratory Medicine, 2019, 146, 36-41.	2.9	47
42	Improving Hip Fractures Outcomes for COPD Patients. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2013, 10, 11-19.	1.6	45
43	Handgrip Strength in Chronic Obstructive Pulmonary Disease. Associations with Acute Exacerbations and Body Composition. Annals of the American Thoracic Society, 2017, 14, 1638-1645.	3.2	44
44	Machine Learning Characterization of COPD Subtypes. Chest, 2020, 157, 1147-1157.	0.8	44
45	Age-Related Differences in Health-Related Quality of Life in COPD. Chest, 2016, 149, 927-935.	0.8	41
46	Pectoralis muscle area and mortality in smokers without airflow obstruction. Respiratory Research, 2018, 19, 62.	3.6	41
47	Combined Forced Expiratory Volume in 1 Second and Forced Vital Capacity Bronchodilator Response, Exacerbations, and Mortality in Chronic Obstructive Pulmonary Disease. Annals of the American Thoracic Society, 2019, 16, 826-835.	3.2	41
48	The St. George's Respiratory Questionnaire Definition of Chronic Bronchitis May Be a Better Predictor of COPD Exacerbations Compared With the Classic Definition. Chest, 2019, 156, 685-695.	0.8	40
49	Comorbidities of COPD Have a Major Impact on Clinical Outcomes, Particularly in African Americans. Chronic Obstructive Pulmonary Diseases (Miami, Fla ), 2014, 1, 105-114.	0.7	40
50	Lobar Emphysema Distribution Is Associated With 5-Year Radiological Disease Progression. Chest, 2018, 153, 65-76.	0.8	36
51	Significant Spirometric Transitions and Preserved Ratio Impaired Spirometry Among Ever Smokers. Chest, 2022, 161, 651-661.	0.8	33
52	Simultaneous occurrence of ankylosing spondylitis and diffuse idiopathic skeletal hyperostosis: a systematic review. Rheumatology, 2018, 57, 2120-2128.	1.9	32
53	Extracellular Superoxide Dismutase and Risk of COPD. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2009, 6, 307-312.	1.6	31
54	Pulmonary Subtypes Exhibit Differential Global Initiative for Chronic Obstructive Lung Disease Spirometry Stage Progression: The COPDGene® Study. Chronic Obstructive Pulmonary Diseases (Miami, Fla ), 2014, 1, 105-114.	0.0	0

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55	Smoking and COPD increase sputum levels of extracellular superoxide dismutase. <i>Free Radical Biology and Medicine</i> , 2011, 51, 726-732.	2.9	27
56	Criteria for Early-Phase Diffuse Idiopathic Skeletal Hyperostosis: Development and Validation. <i>Radiology</i> , 2019, 291, 420-426.	7.3	26
57	Mortality and Exacerbations by Global Initiative for Chronic Obstructive Lung Disease Groups ABCD: 2011 Versus 2017 in the COPDGene® Cohort. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla )</i> , 2019, 6, 64-73.	0.7	26
58	Identification of Chronic Obstructive Pulmonary Disease Axes That Predict All-Cause Mortality. <i>American Journal of Epidemiology</i> , 2018, 187, 2109-2116.	3.4	25
59	Phenotypic and genetic heterogeneity among subjects with mild airflow obstruction in COPDGene. <i>Respiratory Medicine</i> , 2014, 108, 1469-1480.	2.9	24
60	Cardiovascular Disease is Associated with COPD Severity and Reduced Functional Status and Quality of Life. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2014, 11, 546-551.	1.6	24
61	Visual Emphysema at Chest CT in GOLD Stage 0 Cigarette Smokers Predicts Disease Progression: Results from the COPDGene Study. <i>Radiology</i> , 2020, 296, 641-649.	7.3	24
62	Subtypes of COPD Have Unique Distributions and Differential Risk of Mortality. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla )</i> , 2019, 6, 400-413.	0.7	24
63	Symptoms of anxiety and depression and use of anxiolytic-hypnotics and antidepressants in current and former smokers with and without COPD - A cross sectional analysis of the COPDGene cohort. <i>Journal of Psychosomatic Research</i> , 2019, 118, 18-26.	2.6	21
64	Phenotypic characterisation of early COPD: a prospective case-control study. <i>ERJ Open Research</i> , 2020, 6, 00047-2020.	2.6	21
65	GDF-15 plasma levels in chronic obstructive pulmonary disease are associated with subclinical coronary artery disease. <i>Respiratory Research</i> , 2017, 18, 42.	3.6	20
66	Respiratory exacerbations are associated with muscle loss in current and former smokers. <i>Thorax</i> , 2021, 76, 554-560.	5.6	20
67	Common Genetic Variants Associated with Resting Oxygenation in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 51, 678-687.	2.9	19
68	Longitudinal Association Between Muscle Loss and Mortality in Ever Smokers. <i>Chest</i> , 2022, 161, 960-970.	0.8	18
69	Risk factors for COPD exacerbations in inhaled medication users: the COPDGene study biannual longitudinal follow-up prospective cohort. <i>BMC Pulmonary Medicine</i> , 2016, 16, 28.	2.0	17
70	Subjects with diffuse idiopathic skeletal hyperostosis have an increased burden of coronary artery disease: An evaluation in the COPDGene cohort. <i>Atherosclerosis</i> , 2019, 287, 24-29.	0.8	17
71	Coronary Artery Calcium on Noncontrast Thoracic Computerized Tomography Scans and All-Cause Mortality. <i>Circulation</i> , 2018, 138, 2437-2438.	1.6	15
72	Pulmonary artery enlargement and mortality risk in moderate to severe COPD: results from COPDGene. <i>European Respiratory Journal</i> , 2020, 55, 1901812.	6.7	15

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73	DNA Methylation Is Predictive of Mortality in Current and Former Smokers. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 1099-1109.	5.6	15
74	Development of a Blood-based Transcriptional Risk Score for Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 161-170.	5.6	15
75	Depressive and anxiety symptoms in patients with COPD: A network analysis. <i>Respiratory Medicine</i> , 2022, 198, 106865.	2.9	15
76	The beneficial effects of exercise on cartilage are lost in mice with reduced levels of ECSOD in tissues. <i>Journal of Applied Physiology</i> , 2015, 118, 760-767.	2.5	14
77	Asthma Is a Risk Factor for Respiratory Exacerbations Without Increased Rate of Lung Function Decline. <i>Chest</i> , 2018, 153, 368-377.	0.8	14
78	Association between acute respiratory disease events and the <i>MUC5B</i> promoter polymorphism in smokers. <i>Thorax</i> , 2018, 73, 1071-1074.	5.6	13
79	Vitamin D deficiency is associated with respiratory symptoms and airway wall thickening in smokers with and without COPD: a prospective cohort study. <i>BMC Pulmonary Medicine</i> , 2020, 20, 123.	2.0	13
80	Pulmonary Predictors of Incident Diabetes in Smokers. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla )</i> , 2016, 3, 739-747.	0.7	12
81	Association of low income with pulmonary disease progression in smokers with and without chronic obstructive pulmonary disease. <i>ERJ Open Research</i> , 2018, 4, 00069-2018.	2.6	11
82	GWAS and systems biology analysis of depressive symptoms among smokers from the COPDGene cohort. <i>Journal of Affective Disorders</i> , 2019, 243, 16-22.	4.1	11
83	Identifying Smoking-Related Disease on Lung Cancer Screening CT Scans: Increasing the Value. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla )</i> , 2019, 6, 233-245.	0.7	11
84	Collaborative Cohort of Cohorts for COVID-19 Research (C4R) Study: Study Design. <i>American Journal of Epidemiology</i> , 2022, 191, 1153-1173.	3.4	11
85	It's the Fracture that Matters – Bone Disease in COPD Patients. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2012, 9, 319-321.	1.6	9
86	Differences between absolute and predicted values of forced expiratory volumes to classify ventilatory impairment in chronic obstructive pulmonary disease. <i>Respiratory Medicine</i> , 2016, 111, 30-38.	2.9	9
87	Spirometric Volumes and Breathlessness across Levels of Airflow Limitation: The COPDGene Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 678-681.	5.6	9
88	A Risk Prediction Model for Mortality Among Smokers in the COPDGene® Study. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla )</i> , 2020, 7, 346-361.	0.7	9
89	Examining the Effects of Age on Health Outcomes of Chronic Obstructive Pulmonary Disease: Results From the Genetic Epidemiology of Chronic Obstructive Pulmonary Disease Study and Evaluation of Chronic Obstructive Pulmonary Disease Longitudinally to Identify Predictive Surrogate Endpoints Cohorts. <i>Journal of the American Medical Directors Association</i> . 2017. 18. 1063-1068.	2.5	8
90	10-Year Follow-Up of Lung Function, Respiratory Symptoms, and Functional Capacity in the COPDGene Study. <i>Annals of the American Thoracic Society</i> , 2022, 19, 381-388.	3.2	8

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91	Impact of a Medical Diagnosis on Decision to Stop Smoking and Successful Smoking Cessation. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla )</i> , 2021, 8, 360-370.	0.7	7
92	The Association of Multiparity with Lung Function and Chronic Obstructive Pulmonary Disease-Related Phenotypes. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla )</i> , 2020, 7, 86-98.	0.7	7
93	Lung tissue shows divergent gene expression between chronic obstructive pulmonary disease and idiopathic pulmonary fibrosis. <i>Respiratory Research</i> , 2022, 23, 97.	3.6	7
94	The Value of Rare Genetic Variation in the Prediction of Common Obesity in European Ancestry Populations. <i>Frontiers in Endocrinology</i> , 2022, 13, 863893.	3.5	7
95	Primary adrenal insufficiency in the United States: diagnostic error and patient satisfaction with treatment. <i>Diagnosis</i> , 2019, 6, 343-350.	1.9	6
96	Ultrasound measurement of knee synovial fluid during external pneumatic compression. <i>Journal of Orthopaedic Research</i> , 2019, 37, 601-608.	2.3	6
97	Diffuse Idiopathic Skeletal Hyperostosis in Smokers and Restrictive Spirometry Pattern: An Analysis of the COPDGene Cohort. <i>Journal of Rheumatology</i> , 2020, 47, 531-538.	2.0	6
98	Lung-specific Risk Factors Associated With Incident Hip Fracture in Current and Former Smokers. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 1952-1961.	2.8	6
99	Distinguishing Smoking-Related Lung Disease Phenotypes Via Imaging and Molecular Features. <i>Chest</i> , 2021, 159, 549-563.	0.8	6
100	Quantitative $\mu$ CT-Based Methods for Bone Microstructural Measures and Their Relationships With Vertebral Fractures in a Pilot Study on Smokers. <i>JBMR Plus</i> , 2021, 5, e10484.	2.7	6
101	Clinically Significant and Comorbid Anxiety and Depression Symptoms Predict Severe Respiratory Exacerbations in Smokers: A <i>Post Hoc</i> Analysis of the COPDGene and SPIROMICS Cohorts. <i>Annals of the American Thoracic Society</i> , 2022, 19, 143-146.	3.2	6
102	Factors influencing decline in quality of life in smokers without airflow obstruction: The COPDGene study. <i>Respiratory Medicine</i> , 2020, 161, 105820.	2.9	5
103	Pulmonary Artery Enlargement Is Associated with Exacerbations and Mortality in Ever-Smokers with Preserved Ratio Impaired Spirometry. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 481-485.	5.6	5
104	Validation of a method to assess emphysema severity by spirometry in the COPDGene study. <i>Respiratory Research</i> , 2020, 21, 103.	3.6	4
105	MnTEA <sub>2</sub> PyP disrupts <i>Staphylococcus aureus</i> biofilms in a novel fracture model. <i>Journal of Orthopaedic Research</i> , 2021, 39, 2439-2445.	2.3	3
106	Lung, Fat and Bone: Increased Adiponectin Associates with the Combination of Smoking-Related Lung Disease and Osteoporosis. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla )</i> , 2018, 5, 134-143.	0.7	3
107	COPD and Bone Loss. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2008, 5, 267-268.	1.6	2
108	Optimism is associated with respiratory symptoms and functional status in chronic obstructive pulmonary disease. <i>Respiratory Research</i> , 2022, 23, 19.	3.6	1

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109	CT-based segmentation of thoracic vertebrae using deep learning and computation of the kyphotic angle. , 2022, , .		1
110	Inhaled Medication Use in Smokers With Normal Spirometry. <i>Respiratory Care</i> , 2021, 66, 652-660.	1.6	0
111	Translation of adapting quantitative CT data from research to local clinical practice: validation evaluation of fully automated procedures to provide lung volumes and percent emphysema. <i>Journal of Medical Imaging</i> , 2019, 7, 1.	1.5	0