

Kevin Dhaliwal

List of Publications by Year in descending order

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95
papers

4,001
citations

201385

27
h-index

128067

60
g-index

102
all docs

102
docs citations

102
times ranked

6582
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue Proteomic Analysis Identifies Mechanisms and Stages of Immunopathology in Fatal COVID-19. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 196-205.	1.4	26
2	Randomised controlled trial of intravenous nafamostat mesylate in COVID pneumonitis: Phase 1b/2a experimental study to investigate safety, Pharmacokinetics and Pharmacodynamics. EBioMedicine, 2022, 76, 103856.	2.7	38
3	Fibroblast Activation Protein Specific Optical Imaging in Non-Small Cell Lung Cancer. Frontiers in Oncology, 2022, 12, 834350.	1.3	0
4	A layer-level multi-scale architecture for lung cancer classification with fluorescence lifetime imaging endomicroscopy. Neural Computing and Applications, 2022, 34, 18881-18894.	3.2	5
5	Selective Plane Illumination Fluorescence Endomicroscopy using a Polymer Imaging Fiber and an End-cap. , 2022, , .		0
6	Solitary pulmonary nodule imaging approaches and the role of optical fibre-based technologies. European Respiratory Journal, 2021, 57, 2002537.	3.1	15
7	Ensemble learning for poor prognosis predictions: A case study on SARS-CoV-2. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 791-800.	2.2	6
8	Tissue-Specific Immunopathology in Fatal COVID-19. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 192-201.	2.5	243
9	Molecular detection of Gram-positive bacteria in the human lung through an optical fiber-based endoscope. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 800-807.	3.3	14
10	MicroRNA-122 and cytokeratin-18 have potential as a biomarkers of drug-induced liver injury in European and African patients on treatment for mycobacterial infection. British Journal of Clinical Pharmacology, 2021, 87, 3206-3217.	1.1	14
11	T cells drive negative feedback mechanisms in cancer associated fibroblasts, promoting expression of co-inhibitory ligands, CD73 and IL-27 in non-small cell lung cancer. Oncoimmunology, 2021, 10, 1940675.	2.1	23
12	Activated neutrophil fluorescent imaging technique for human lungs. Scientific Reports, 2021, 11, 976.	1.6	18
13	type I IFN, prothrombotic hyperinflammatory neutrophil signature is distinct for COVID-19 ARDS. Wellcome Open Research, 2021, 6, 38.	0.9	29
14	Optical Detection of Distal Lung Enzyme Activity in Human Inflammatory Lung Disease. BME Frontiers, 2021, 2021, .	2.2	9
15	Sub millimetre flexible fibre probe for background and fluorescence free Raman spectroscopy. Journal of Biophotonics, 2021, 14, e202000488.	1.1	3
16	type I IFN, prothrombotic hyperinflammatory neutrophil signature is distinct for COVID-19 ARDS. Wellcome Open Research, 2021, 6, 38.	0.9	35
17	Design and Modelling of a Continuum Robot for Distal Lung Sampling in Mechanically Ventilated Patients in Critical Care. Frontiers in Robotics and AI, 2021, 8, 611866.	2.0	5
18	Red-Shifted Environmental Fluorophores and Their Use for the Detection of Gram-Negative Bacteria. Chemosensors, 2021, 9, 117.	1.8	2

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19	Application of a High-Content Screening Assay Utilizing Primary Human Lung Fibroblasts to Identify Antifibrotic Drugs for Rapid Repurposing in COVID-19 Patients. <i>SLAS Discovery</i> , 2021, 26, 1091-1106.	1.4	3
20	Systematic review of studies investigating ventilator associated pneumonia diagnostics in intensive care. <i>BMC Pulmonary Medicine</i> , 2021, 21, 196.	0.8	14
21	Ultrafast laser ablation of a multicore polymer optical fiber for multipoint light emission. <i>Optics Express</i> , 2021, 29, 20765.	1.7	6
22	In vivo Thrombosis Imaging in Patients Recovering from COVID-19 and Pulmonary Embolism. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 855-856.	2.5	3
23	Pulmonary-Resident Memory Lymphocytes: Pivotal Orchestrators of Local Immunity Against Respiratory Infections. <i>Frontiers in Immunology</i> , 2021, 12, 738955.	2.2	7
24	Evaluation of new or repurposed treatments for COVID-19: protocol for the phase Ib/IIa DEFINE trial platform. <i>BMJ Open</i> , 2021, 11, e054442.	0.8	4
25	Image computing for fibre-bundle endomicroscopy: A review. <i>Medical Image Analysis</i> , 2020, 62, 101620.	7.0	44
26	A matrix metalloproteinase activation probe for painting human tumours. <i>Chemical Communications</i> , 2020, 56, 9962-9965.	2.2	5
27	Deep Learning in ex-vivo Lung Cancer Discrimination using Fluorescence Lifetime Endomicroscopic Images. , 2020, 2020, 1891-1894.		7
28	The Emerging Role of the c-MET-HGF Axis in Non-small Cell Lung Cancer Tumor Immunology and Immunotherapy. <i>Frontiers in Oncology</i> , 2020, 10, 54.	1.3	18
29	Exploratory Use of Fluorescent SmartProbes for the Rapid Detection of Microbial Isolates Causing Corneal Ulcer. <i>American Journal of Ophthalmology</i> , 2020, 219, 341-350.	1.7	4
30	Polymyxin-based photosensitizer for the potent and selective killing of Gram-negative bacteria. <i>Chemical Communications</i> , 2020, 56, 3757-3760.	2.2	31
31	Frugal filtering optical lenses for point-of-care diagnostics. <i>Biomedical Optics Express</i> , 2020, 11, 1864.	1.5	6
32	Core crosstalk in ordered imaging fiber bundles. <i>Optics Letters</i> , 2020, 45, 6490.	1.7	10
33	Fibre-based ratiometric fluorescence imaging for contrast enhancement of spectrally similar signals in the lung. , 2020, , .		1
34	High fidelity fibre-based physiological sensing deep in tissue. <i>Scientific Reports</i> , 2019, 9, 7713.	1.6	10
35	Bayesian bacterial detection using irregularly sampled optical endomicroscopy images. <i>Medical Image Analysis</i> , 2019, 57, 18-31.	7.0	5
36	Optical Molecular Imaging of Inflammatory Cells in Interventional Medicine—An Emerging Strategy. <i>Frontiers in Oncology</i> , 2019, 9, 882.	1.3	7

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37	Enhanced avidity from a multivalent fluorescent antimicrobial peptide enables pathogen detection in a human lung model. <i>Scientific Reports</i> , 2019, 9, 8422.	1.6	22
38	Endoscopic sensing of distal lung physiology. <i>Journal of Physics: Conference Series</i> , 2019, 1151, 012009.	0.3	0
39	High-speed dual color fluorescence lifetime endomicroscopy for highly-multiplexed pulmonary diagnostic applications and detection of labeled bacteria. <i>Biomedical Optics Express</i> , 2019, 10, 181.	1.5	13
40	Fibre-based spectral ratio endomicroscopy for contrast enhancement of bacterial imaging and pulmonary autofluorescence. <i>Biomedical Optics Express</i> , 2019, 10, 1856.	1.5	15
41	Characterising cross-coupling in coherent fibre bundles. , 2019, , .		2
42	Deconvolution and Restoration of Optical Endomicroscopy Images. <i>IEEE Transactions on Computational Imaging</i> , 2018, 4, 194-205.	2.6	13
43	Peptides for optical medical imaging and steps towards therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2816-2826.	1.4	59
44	Cerebral Concussion Primes the Lungs for Subsequent Neutrophil-Mediated Injury. <i>Critical Care Medicine</i> , 2018, 46, e937-e944.	0.4	9
45	In situ identification of Gram-negative bacteria in human lungs using a topical fluorescent peptide targeting lipid A. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	59
46	Super-silent FRET Sensor Enables Live Cell Imaging and Flow Cytometric Stratification of Intracellular Serine Protease Activity in Neutrophils. <i>Scientific Reports</i> , 2018, 8, 13490.	1.6	20
47	Multi-class classification of pulmonary endomicroscopic images. , 2018, , .		5
48	Development of an Alveolar Transbronchial Catheter for Concurrent Fiber Optics-Based Imaging and Fluid Delivery. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2018, 12, .	0.4	2
49	Estimating Bacterial and Cellular Load in FCFM Imaging. <i>Journal of Imaging</i> , 2018, 4, 11.	1.7	9
50	Bimodal fluorogenic sensing of matrix proteolytic signatures in lung cancer. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8056-8063.	1.5	11
51	Low-cost high sensitivity pulsed endomicroscopy to visualize tricolor optical signatures. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	17
52	Texture Descriptors for Classifying Sparse, Irregularly Sampled Optical Endomicroscopy Images. <i>Communications in Computer and Information Science</i> , 2018, , 165-176.	0.4	3
53	A multifunctional endoscope for imaging, fluid delivery and fluid extraction (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50		2
54	Time-resolved single photon spectroscopy through a single optical fibre for miniaturised medical probe design. , 2018, , .		0

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55	Automated Detection of Uninformative Frames in Pulmonary Optical Endomicroscopy. IEEE Transactions on Biomedical Engineering, 2017, 64, 87-98.	2.5	17
56	Novel role for endogenous mitochondrial formylated peptide-driven formyl peptide receptor 1 signalling in acute respiratory distress syndrome. Thorax, 2017, 72, 928-936.	2.7	64
57	Highly selective and rapidly activatable fluorogenic Thrombin sensors and application in human lung tissue. Organic and Biomolecular Chemistry, 2017, 15, 4344-4350.	1.5	13
58	Multiplexed fibre optic sensing in the distal lung (Conference Presentation). , 2017, , .		1
59	Optical Screening of Novel Bacteria-specific Probes on Ex Vivo Human Lung Tissue by Confocal Laser Endomicroscopy. Journal of Visualized Experiments, 2017, , .	0.2	7
60	Characterization and modelling of inter-core coupling in coherent fiber bundles. Optics Express, 2017, 25, 11932.	1.7	24
61	Estimating Bacterial Load in FCFM Imaging. Communications in Computer and Information Science, 2017, , 909-921.	0.4	1
62	Towards in vivo bacterial detection in human lung (Conference Presentation). , 2017, , .		1
63	Assessing the utility of autofluorescence-based pulmonary optical endomicroscopy to predict the malignant potential of solitary pulmonary nodules in humans. Scientific Reports, 2016, 6, 31372.	1.6	19
64	Two-color widefield fluorescence microendoscopy enables multiplexed molecular imaging in the alveolar space of human lung tissue. Journal of Biomedical Optics, 2016, 21, 1.	1.4	33
65	Optical imaging of bacterial infections. Clinical and Translational Imaging, 2016, 4, 163-174.	1.1	70
66	Fortified interpenetrating polymers “ bacteria resistant coatings for medical devices. Journal of Materials Chemistry B, 2016, 4, 5405-5411.	2.9	13
67	In-situ imaging of neutrophil activation in the human alveolar space with neutrophil activation probe and pulmonary optical endomicroscopy. Lancet, The, 2016, 387, S31.	6.3	5
68	Structural modifications of the antimicrobial peptide ubiquicidin for pulmonary imaging of bacteria in the alveolar space. Lancet, The, 2016, 387, S17.	6.3	6
69	Heat shock protein 90 inhibition abrogates TLR4-mediated NF- κ B activity and reduces renal ischemia-reperfusion injury. Scientific Reports, 2015, 5, 12958.	1.6	34
70	The Role of Formylated Peptides and Formyl Peptide Receptor 1 in Governing Neutrophil Function during Acute Inflammation. American Journal of Pathology, 2015, 185, 1172-1184.	1.9	191
71	Optical molecular imaging of lysyl oxidase activity “ detection of active fibrogenesis in human lung tissue. Chemical Science, 2015, 6, 4946-4953.	3.7	26
72	A labelled-ubiquicidin antimicrobial peptide for immediate in situ optical detection of live bacteria in human alveolar lung tissue. Chemical Science, 2015, 6, 6971-6979.	3.7	72

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73	Chronic Pleuropulmonary Fibrosis and Elastosis of Aged Donkeys. <i>Chest</i> , 2014, 145, 1325-1332.	0.4	33
74	Reply: The Alveolar Macrophage and Acute Respiratory Distress Syndrome: A Silent Actor?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 500-501.	2.5	0
75	Surface-enhanced Raman scattering in cancer detection and imaging. <i>Trends in Biotechnology</i> , 2013, 31, 249-257.	4.9	410
76	Highly specific, multi-branched fluorescent reporters for analysis of human neutrophil elastase. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4414.	1.5	29
77	A Randomized Controlled Trial of Peripheral Blood Mononuclear Cell Depletion in Experimental Human Lung Inflammation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 449-455.	2.5	21
78	Technical Advance: Autofluorescence-based sorting: rapid and nonperturbing isolation of ultrapure neutrophils to determine cytokine production. <i>Journal of Leukocyte Biology</i> , 2013, 94, 193-202.	1.5	50
79	Macrophage/monocyte depletion by clodronate, but not diphtheria toxin, improves renal ischemia/reperfusion injury in mice. <i>Kidney International</i> , 2012, 82, 928-933.	2.6	149
80	Ventilator-Associated Pneumonia Is Characterized by Excessive Release of Neutrophil Proteases in the Lung. <i>Chest</i> , 2012, 142, 1425-1432.	0.4	588
81	Monocytes Control Second-Phase Neutrophil Emigration in Established Lipopolysaccharide-induced Murine Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 186, 514-524.	2.5	104
82	Safe and efficient in vitro and in vivo gene delivery: tripodal cationic lipids with programmed biodegradability. <i>Journal of Materials Chemistry</i> , 2011, 21, 2154-2158.	6.7	7
83	Far red and NIR dye-peptoid conjugates for efficient immune cell labelling and tracking in preclinical models. <i>MedChemComm</i> , 2011, 2, 1050.	3.5	9
84	Multi-modal molecular imaging approaches to detect primary cells in preclinical models. <i>Faraday Discussions</i> , 2011, 149, 107-114.	1.6	12
85	Ly6C ^{hi} Monocytes Direct Alternatively Activated Profibrotic Macrophage Regulation of Lung Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 569-581.	2.5	383
86	Screening of a Combinatorial Homing Peptide Library for Selective Cellular Delivery. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6133-6136.	7.2	28
87	Cyclophilin A Is a Damage-Associated Molecular Pattern Molecule That Mediates Acetaminophen-Induced Liver Injury. <i>Journal of Immunology</i> , 2011, 187, 3347-3352.	0.4	66
88	Diagnostic importance of pulmonary interleukin-1 β and interleukin-8 in ventilator-associated pneumonia. <i>Thorax</i> , 2010, 65, 201-207.	2.7	95
89	C5a Mediates Peripheral Blood Neutrophil Dysfunction in Critically Ill Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 180, 19-28.	2.5	103
90	Trappin-2 Promotes Early Clearance of <i>Pseudomonas aeruginosa</i> through CD14-Dependent Macrophage Activation and Neutrophil Recruitment. <i>American Journal of Pathology</i> , 2009, 174, 1338-1346.	1.9	37

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91	Galectin-3 Reduces the Severity of Pneumococcal Pneumonia by Augmenting Neutrophil Function. American Journal of Pathology, 2008, 172, 395-405.	1.9	132
92	Dunking doughnuts into cells – selective cellular translocation and in vivo analysis of polymeric micro-doughnuts. Chemical Communications, 2008, , 3507.	2.2	29
93	Statistical Validation of the EORTC Prognostic Model for Malignant Pleural Mesothelioma Based on Three Consecutive Phase II Trials. Journal of Clinical Oncology, 2005, 23, 184-189.	0.8	104
94	Symptomatic HIV viraemia during a drug holiday: an argument against treatment interruption?. International Journal of STD and AIDS, 2004, 15, 564-565.	0.5	2
95	Risk Prediction for Poor Outcome and Death in Hospital In-Patients with COVID-19: Derivation in Wuhan, China and External Validation in London, UK. SSRN Electronic Journal, 0, , .	0.4	10