

# Manuel Mata-Roig

## List of Publications by Year in descending order

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84

papers

2,709

citations

186265

28

h-index

189892

50

g-index

86

all docs

86

docs citations

86

times ranked

4224

citing authors

#	ARTICLE	IF	CITATIONS
1	Gene Expression Profiling of Facilitated L-LTP in VP16-CREB Mice Reveals that BDNF Is Critical for the Maintenance of LTP and Its Synaptic Capture. <i>Neuron</i> , 2005, 48, 123-137.	8.1	255
2	Direct evidence of leukocyte adhesion in arterioles by angiotensin II. <i>Blood</i> , 2004, 104, 402-408.	1.4	153
3	Phosphodiesterase 4 inhibition decreases MUC5AC expression induced by epidermal growth factor in human airway epithelial cells. <i>Thorax</i> , 2005, 60, 144-152.	5.6	122
4	Angiotensin II Induces Neutrophil Accumulation In Vivo Through Generation and Release of CXC Chemokines. <i>Circulation</i> , 2004, 110, 3581-3586.	1.6	109
5	N-acetyl-L-cysteine (NAC) inhibit mucin synthesis and pro-inflammatory mediators in alveolar type II epithelial cells infected with influenza virus A and B and with respiratory syncytial virus (RSV). <i>Biochemical Pharmacology</i> , 2011, 82, 548-555.	4.4	104
6	Angiotensin II-Induced Mononuclear Leukocyte Interactions with Arteriolar and Venular Endothelium Are Mediated by the Release of Different CC Chemokines. <i>Journal of Immunology</i> , 2006, 176, 5577-5586.	0.8	95
7	Cells Silenced for <i>SDHB</i> Expression Display Characteristic Features of the Tumor Phenotype. <i>Cancer Research</i> , 2008, 68, 4058-4067.	0.9	92
8	Oral N-acetylcysteine attenuates the rat pulmonary inflammatory response to antigen. <i>European Respiratory Journal</i> , 2003, 21, 394-400.	6.7	90
9	Description of <i>Alcanivorax venustensis</i> sp. nov. and reclassification of <i>Fundibacter jadensis</i> DSM 12178T (Bruns and Berthe-Corti 1999) as <i>Alcanivorax jadensis</i> comb. nov., members of the emended genus <i>Alcanivorax</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 331-338.	1.7	88
10	Roflumilast, a phosphodiesterase 4 inhibitor, alleviates bleomycin-induced lung injury. <i>British Journal of Pharmacology</i> , 2009, 156, 534-544.	5.4	85
11	Oral N-acetylcysteine reduces bleomycin-induced lung damage and mucin Muc5ac expression in rats. <i>European Respiratory Journal</i> , 2003, 22, 900-905.	6.7	83
12	Olive Oil-Based Lipid Emulsion's Neutral Effects on Neutrophil Functions and Leukocyte-Endothelial Cell Interactions. <i>Journal of Parenteral and Enteral Nutrition</i> , 2006, 30, 286-296.	2.6	67
13	Cannabinoid receptor expression in non-small cell lung cancer. Effectiveness of tetrahydrocannabinol and cannabidiol inhibiting cell proliferation and epithelial-mesenchymal transition in vitro. <i>PLoS ONE</i> , 2020, 15, e0228909.	2.5	66
14	Role of Circulating miRNAs as Biomarkers in Idiopathic Pulmonary Arterial Hypertension: Possible Relevance of miR-23a. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-10.	4.0	65
15	<i>In Vivo</i> Articular Cartilage Regeneration Using Human Dental Pulp Stem Cells Cultured in an Alginate Scaffold: A Preliminary Study. <i>Stem Cells International</i> , 2017, 2017, 1-9.	2.5	63
16	Aclidinium inhibits cholinergic and tobacco smoke-induced MUC5AC in human airways. <i>European Respiratory Journal</i> , 2011, 37, 244-254.	6.7	62
17	Expanded CTG repeats trigger miRNA alterations in <i>Drosophila</i> that are conserved in myotonic dystrophy type 1 patients. <i>Human Molecular Genetics</i> , 2013, 22, 704-716.	2.9	62
18	Respiratory Syncytial Virus Inhibits Ciliogenesis in Differentiated Normal Human Bronchial Epithelial Cells: Effectiveness of N-Acetylcysteine. <i>PLoS ONE</i> , 2012, 7, e48037.	2.5	62

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19	ISG15 Is Upregulated in Respiratory Syncytial Virus Infection and Reduces Virus Growth through Protein ISGylation. <i>Journal of Virology</i> , 2016, 90, 3428-3438.	3.4	56
20	<i>Thalassospira lucentensis</i> gen. nov., sp. nov., a new marine member of the alpha-Proteobacteria. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2002, 52, 1277-1283.	1.7	53
21	Estradiol Stimulates Vasodilatory and Metabolic Pathways in Cultured Human Endothelial Cells. <i>PLoS ONE</i> , 2009, 4, e8242.	2.5	52
22	Cilia Motility and Structure in Primary and Secondary Ciliary Dyskinesia. <i>American Journal of Rhinology and Allergy</i> , 2010, 24, 175-180.	2.0	44
23	The activation of ERK1/2 MAP kinases in glioblastoma pathobiology and its relationship with <i>EGFR</i> amplification. <i>Neuropathology</i> , 2008, 28, 507-515.	1.2	42
24	Sphingosine-1-phosphate increases human alveolar epithelial IL-8 secretion, proliferation and neutrophil chemotaxis. <i>European Journal of Pharmacology</i> , 2009, 609, 132-139.	3.5	42
25	<i>Lactobacillus paracasei</i> and <i>Lactobacillus plantarum</i> strains downregulate proinflammatory genes in an ex vivo system of cultured human colonic mucosa. <i>Genes and Nutrition</i> , 2013, 8, 165-180.	2.5	35
26	Nickel induces intracellular calcium mobilization and pathophysiological responses in human cultured airway epithelial cells. <i>Chemico-Biological Interactions</i> , 2010, 183, 25-33.	4.0	34
27	Roflumilast Inhibits Respiratory Syncytial Virus Infection in Human Differentiated Bronchial Epithelial Cells. <i>PLoS ONE</i> , 2013, 8, e69670.	2.5	32
28	Effectiveness of oral N -acetylcysteine in a rat experimental model of asthma. <i>Pharmacological Research</i> , 2002, 45, 135-140.	7.1	30
29	Retinoids induce MMP-9 expression through <i>RAR</i> during mammary gland remodeling. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 292, E1140-E1148.	3.5	30
30	Gene Expression Profiles of Metabolic Aggressiveness and Tumor Recurrence in Benign Meningioma. <i>PLoS ONE</i> , 2013, 8, e67291.	2.5	28
31	Loss of heterozygosity at 1p-19q induces a global change in oligodendroglial tumor gene expression. <i>Journal of Neuro-Oncology</i> , 2009, 95, 343-354.	2.9	25
32	<i>PGC-1</i> Induction in Pulmonary Arterial Hypertension. <i>Oxidative Medicine and Cellular Longevity</i> , 2012, 2012, 1-8.	4.0	24
33	Role of Adenylate Kinase Type 7 Expression on Cilia Motility: Possible Link in Primary Ciliary Dyskinesia. <i>American Journal of Rhinology and Allergy</i> , 2010, 24, 181-185.	2.0	23
34	Extracellular calcium-sensing receptor mediates human bronchial epithelial wound repair. <i>Biochemical Pharmacology</i> , 2010, 80, 236-246.	4.4	23
35	New Adenylate Kinase 7 (AK7) Mutation in Primary Ciliary Dyskinesia. <i>American Journal of Rhinology and Allergy</i> , 2012, 26, 260-264.	2.0	22
36	Relaxation of the isolated human internal anal sphincter by sildenafil. <i>British Journal of Surgery</i> , 2007, 94, 894-902.	0.3	19

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37	Direct effect of cigarette smoke on human pulmonary artery tension. <i>Pulmonary Pharmacology and Therapeutics</i> , 2010, 23, 222-228.	2.6	19
38	Metastasizing anaplastic ependymoma in an adult. Chromosomal imbalances, metabolic and gene expression profiles. <i>Histopathology</i> , 2009, 54, 500-504.	2.9	16
39	Induction of PGC-1 $\alpha$ Expression Can Be Detected in Blood Samples of Patients with ST-Segment Elevation Acute Myocardial Infarction. <i>PLoS ONE</i> , 2011, 6, e26913.	2.5	16
40	Increased Expression of AQP 1 and AQP 5 in Rat Lungs Ventilated with Low Tidal Volume is Time Dependent. <i>PLoS ONE</i> , 2014, 9, e114247.	2.5	16
41	Effects of taurine on pulmonary responses to antigen in sensitized Brownâ€“Norway rats. <i>European Journal of Pharmacology</i> , 2001, 431, 111-117.	3.5	14
42	Picamilast inhibits the pro-apoptotic and anti-proliferative responses of A549 cells exposed to H <sub>2</sub> O <sub>2</sub> via mechanisms involving AP-1 activation. <i>Free Radical Research</i> , 2012, 46, 690-699.	3.3	14
43	Clinical-therapeutic management of thoracoscopy in pleural effusion: a groundbreaking technique in the twenty-first century. <i>Clinical and Translational Oncology</i> , 2011, 13, 57-60.	2.4	13
44	Nasal Ciliary Beat Frequency and Beat Pattern in Retinal Ciliopathies. , 2012, 53, 2076.		13
45	Expression of aquaporins 1 and 5 in a model of ventilatorâ€“induced lung injury and its relation to tidal volume. <i>Experimental Physiology</i> , 2016, 101, 1418-1431.	2.0	13
46	Human platelet-rich plasma improves the nesting and differentiation of human chondrocytes cultured in stabilized porous chitosan scaffolds. <i>Journal of Tissue Engineering</i> , 2017, 8, 204173141769754.	5.5	13
47	New insights in primary ciliary dyskinesia. <i>Expert Opinion on Orphan Drugs</i> , 2017, 5, 537-548.	0.8	12
48	Effects of ouabain on human bronchial muscle in vitro. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2003, 368, 393-403.	3.0	11
49	Effects of bemiparin on airway responses to antigen in sensitized Brownâ€“Norway rats. <i>European Journal of Pharmacology</i> , 2005, 507, 261-271.	3.5	11
50	Gene Mutations in Primary Ciliary Dyskinesia Related to Otitis Media. <i>Current Allergy and Asthma Reports</i> , 2014, 14, 420.	5.3	11
51	Novel Tissue-Engineered Multimodular Hyaluronic Acid-Polylactic Acid Conduits for the Regeneration of Sciatic Nerve Defect. <i>Biomedicines</i> , 2022, 10, 963.	3.2	11
52	Epidermal growth factor receptor copy number in potentially malignant oral disorders and oral squamous cell carcinoma: a short communication and preliminary study. <i>Journal of Oral Pathology and Medicine</i> , 2012, 41, 662-666.	2.7	10
53	Pseudogranulomatous Spitz nevus: a variant of Spitz nevus with heavy inflammatory infiltrate mimicking a granulomatous dermatitis. <i>Journal of Cutaneous Pathology</i> , 2013, 40, 330-335.	1.3	10
54	Dentin tubule orientation determines odontoblastic differentiation in vitro: A morphological study. <i>PLoS ONE</i> , 2019, 14, e0215780.	2.5	10

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55	Primary ciliary dyskinesia assessment by means of optical flow analysis of phase-contrast microscopy images. Computerized Medical Imaging and Graphics, 2014, 38, 163-170.	5.8	8
56	High-Speed Video Microscopy for Primary Ciliary Dyskinesia Diagnosis: A Study of Ciliary Motility Variations with Time and Temperature. Diagnostics, 2021, 11, 1301.	2.6	8
57	In Vitro Effect of $\delta^9$ -Tetrahydrocannabinol and Cannabidiol on Cancer-Associated Fibroblasts Isolated from Lung Cancer. International Journal of Molecular Sciences, 2022, 23, 6766.	4.1	8
58	Analysis of Metabolic and Gene Expression Changes after Hydrodynamic DNA Injection into Mouse Liver. Biological and Pharmaceutical Bulletin, 2011, 34, 167-172.	1.4	7
59	Desarrollo y validaci3n de un m3todo de an3lisis de la movilidad ciliar para el diagn3stico precoz de la discinesia ciliar primaria. Acta Otorrinolaringol3gica Espa3ola, 2012, 63, 1-8.	0.4	7
60	Blood PGC-1 $\beta$ Concentration Predicts Myocardial Salvage and Ventricular Remodeling After ST-segment Elevation Acute Myocardial Infarction. Revista Espanola De Cardiologia (English Ed ), 2015, 68, 408-416.	0.6	7
61	Alginate-Agarose Hydrogels Improve the In Vitro Differentiation of Human Dental Pulp Stem Cells in Chondrocytes. A Histological Study. Biomedicines, 2021, 9, 834.	3.2	7
62	Treatment with albumin-hydroxyoleic acid complex restores sensorimotor function in rats with spinal cord injury: Efficacy and gene expression regulation. PLoS ONE, 2017, 12, e0189151.	2.5	7
63	Gene expression microarray-based assay to determine tumor site of origin in a series of metastatic tumors to the ovary and peritoneal carcinomatosis of suspected gynecologic origin. Human Pathology, 2013, 44, 20-28.	2.0	6
64	Optimization of a decellularization protocol of porcine tracheas. Long-term effects of cryopreservation. A histological study. International Journal of Artificial Organs, 2021, 44, 998-1012.	1.4	6
65	A Standardised Approach to the Biomechanical Evaluation of Tracheal Grafts. Biomolecules, 2021, 11, 1461.	4.0	6
66	In vitro tracheal hyperresponsiveness to muscarinic receptor stimulation by carbachol in a rat model of bleomycin-induced pulmonary fibrosis. Autonomic and Autacoid Pharmacology, 2006, 26, 327-333.	0.5	5
67	Relaxation by $\delta^3$ -adrenoceptor agonists of the isolated human internal anal sphincter. Life Sciences, 2010, 86, 358-364.	4.3	5
68	Therapeutic targets for olive pollen allergy defined by gene markers modulated by Ole e 1-derived peptides. Molecular Immunology, 2015, 64, 252-261.	2.2	5
69	Chondrogenic Potential of Human Dental Pulp Stem Cells Cultured as Microtissues. Stem Cells International, 2021, 2021, 1-11.	2.5	5
70	Optical flow method in phase-contrast microscopy images for the diagnosis of primary ciliary dyskinesia through measurement of ciliary beat frequency. Preliminary results. , 2012, , .		4
71	Cartilage Regeneration and Tissue Engineering. , 2019, , 361-378.		4
72	Understanding Primary Ciliary Dyskinesia: Experience From a Mediterranean Diagnostic Reference Centre. Journal of Clinical Medicine, 2020, 9, 810.	2.4	4

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73	Decellularized tracheal prelamination implant: A proposed bilateral double organ technique. Artificial Organs, 2021, 45, 1491-1500.	1.9	4
74	BMP-2 Enhances Osteogenic Differentiation of Human Adipose-Derived and Dental Pulp Stem Cells in 2D and 3D In Vitro Models. Stem Cells International, 2022, 2022, 1-15.	2.5	3
75	Ciliary motility activity measurement using a dense optical flow algorithm. , 2013, 2013, 4446-9.		2
76	Aclidinium, a New Long-Acting Antimuscarinic, Inhibits Cholinergic and Cigarette Smoke-Induced Up Regulation of Mucin MUC5AC Expression in Human Airway Epithelial Cells.. , 2009, , .		1
77	Development and Validation of a Method of Cilia Motility Analysis for the Early Diagnosis of Primary Ciliary Dyskinesia. Acta Otorrinolaringologica (English Edition), 2012, 63, 1-8.	0.2	1
78	A Ciliary Motility Index for Activity Measurement in Cell Cultures With Respiratory Syncytial Virus. American Journal of Rhinology and Allergy, 2019, 33, 121-128.	2.0	1
79	IFT46 Expression in the Nasal Mucosa of Primary Ciliary Dyskinesia Patients: Preliminary Study. Allergy and Rhinology, 2021, 12, 215265672198928.	1.6	1
80	Roflumilast N-Oxide Partially Prevents The Loss Of Ciliated Human Airway Epithelial Cells Secondary To Incubation With Cigarette Smoke Extracts In Vitro. , 2010, , .		0
81	Gene Expression Profiling of Facilitated L-LTP in VP16-CREB Mice Reveals that BDNF Is Critical for the Maintenance of LTP and Its Synaptic Capture. Neuron, 2011, 69, 1037.	8.1	0
82	Molecular Pattern in Olive Pollen Response. Journal of Allergy and Clinical Immunology, 2013, 131, AB44.	2.9	0
83	Tissue inflammatory biomarkers in chronic plaque psoriasis: Exploring lesional versus non-lesional skin relative expression and possible clinical correlations. Australasian Journal of Dermatology, 2020, 61, e130-e132.	0.7	0
84	Use of decellularized tracheas for airways engineering. , 2016, , .		0