

# Emmanuel Curis

## List of Publications by Year in descending order

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93  
papers

2,802  
citations

218381

26  
h-index

197535

49  
g-index

102  
all docs

102  
docs citations

102  
times ranked

5168  
citing authors

#	ARTICLE	IF	CITATIONS
1	A tutorial on conducting genome-wide association studies: Quality control and statistical analysis. <i>International Journal of Methods in Psychiatric Research</i> , 2018, 27, e1608.	1.1	465
2	Almost all about citrulline in mammals. <i>Amino Acids</i> , 2005, 29, 177-205.	1.2	448
3	Citrulline: From metabolism to therapeutic use. <i>Nutrition</i> , 2013, 29, 479-484.	1.1	124
4	Citrulline and the gut. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2007, 10, 620-626.	1.3	120
5	Impact of protein pulse feeding on lean mass in malnourished and at-risk hospitalized elderly patients: A randomized controlled trial. <i>Clinical Nutrition</i> , 2013, 32, 186-192.	2.3	120
6	Metabolomics analysis of human acute graft-versus-host disease reveals changes in host and microbiota-derived metabolites. <i>Nature Communications</i> , 2019, 10, 5695.	5.8	91
7	Ornithine Aminotransferase, an Important Glutamate-Metabolizing Enzyme at the Crossroads of Multiple Metabolic Pathways. <i>Biology</i> , 2017, 6, 18.	1.3	83
8	Observations of a large Dent disease cohort. <i>Kidney International</i> , 2016, 90, 430-439.	2.6	71
9	Isolation and differential transcriptome of vascular smooth muscle cells and mid-capillary pericytes from the rat brain. <i>Scientific Reports</i> , 2018, 8, 12272.	1.6	55
10	Population pharmacokinetics of clindamycin orally and intravenously administered in patients with osteomyelitis. <i>British Journal of Clinical Pharmacology</i> , 2012, 74, 971-977.	1.1	53
11	Plasma Soluble (Pro)Renin Receptor Is Independent of Plasma Renin, Prorenin, and Aldosterone Concentrations But Is Affected by Ethnicity. <i>Hypertension</i> , 2014, 63, 297-302.	1.3	47
12	Usefulness of monitoring of B cell depletion in rituximab-treated rheumatoid arthritis patients in order to predict clinical relapse: a prospective observational study. <i>Clinical and Experimental Immunology</i> , 2015, 180, 11-18.	1.1	47
13	Lithium response in bipolar disorders and core clock genes expression. <i>World Journal of Biological Psychiatry</i> , 2018, 19, 619-632.	1.3	45
14	Anastomotic leakage after colorectal surgery: diagnostic accuracy of CT. <i>European Radiology</i> , 2015, 25, 3543-3551.	2.3	41
15	Pharmacokinetics and pharmacodynamics of tacrolimus in liver transplant recipients: inside the white blood cells. <i>Clinical Biochemistry</i> , 2015, 48, 406-411.	0.8	40
16	Arsenite medicinal use, metabolism, pharmacokinetics and monitoring in human hair. <i>Biochimie</i> , 2009, 91, 1260-1267.	1.3	39
17	Heckman imputation models for binary or continuous MNAR outcomes and MAR predictors. <i>BMC Medical Research Methodology</i> , 2018, 18, 90.	1.4	35
18	Mechanisms and kinetics of citrulline uptake in a model of human intestinal epithelial cells. <i>Clinical Nutrition</i> , 2008, 27, 872-880.	2.3	34

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19	Lithium poisoning in the intensive care unit: predictive factors of severity and indications for extracorporeal toxin removal to improve outcome. <i>Clinical Toxicology</i> , 2016, 54, 615-623.	0.8	34
20	Experimental modeling of recombinant tissue plasminogen activator effects after ischemic stroke. <i>Experimental Neurology</i> , 2012, 238, 138-144.	2.0	33
21	An Abnormal Apelin/Vasopressin Balance May Contribute to Water Retention in Patients With the Syndrome of Inappropriate Antidiuretic Hormone (SIADH) and Heart Failure. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 2084-2089.	1.8	33
22	Angiotensin II Promotes Thoracic Aortic Dissections and Ruptures in <i>Col3a1</i> Haploinsufficient Mice. <i>Hypertension</i> , 2013, 62, 203-208.	1.3	32
23	Pharmacokinetic variability of clindamycin and influence of rifampicin on clindamycin concentration in patients with bone and joint infections. <i>Infection</i> , 2015, 43, 473-481.	2.3	31
24	Potential usefulness of activated charcoal (DOAC remove <sup>®</sup> ) for dRVVT testing in patients receiving Direct Oral AntiCoagulants. <i>Thrombosis Research</i> , 2019, 184, 86-91.	0.8	30
25	Endotoxemia affects citrulline, arginine and glutamine bioavailability. <i>European Journal of Clinical Investigation</i> , 2012, 42, 282-289.	1.7	29
26	Copper(II)-L-glutamine complexation study in solid state and in aqueous solution. <i>Inorganica Chimica Acta</i> , 2003, 353, 22-34.	1.2	27
27	XAS applied to pharmaceuticals: drug administration and bioavailability. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 984-986.	1.0	24
28	TNF- $\alpha$ /IL-2 ratio discriminates latent from active tuberculosis in immunocompetent children: a pilot study. <i>Pediatric Research</i> , 2012, 72, 370-374.	1.1	24
29	Rivaroxaban pharmacodynamics in healthy volunteers evaluated with thrombin generation and the active protein C system: Modeling and assessing interindividual variability. <i>Journal of Thrombosis and Haemostasis</i> , 2019, 17, 1670-1682.	1.9	24
30	Carboplatin and oxaliplatin decomposition in chloride medium, monitored by XAS. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 716-718.	1.0	23
31	Hypoxia interferes with aryl hydrocarbon receptor pathway in hCMEC/D3 human cerebral microvascular endothelial cells. <i>Journal of Neurochemistry</i> , 2015, 132, 373-383.	2.1	22
32	Modified ROTEM for the detection of rivaroxaban and apixaban anticoagulant activity in whole blood. <i>European Journal of Anaesthesiology</i> , 2019, 36, 449-456.	0.7	22
33	Increasing plasma glutamine in postoperative patients fed an arginine-rich immune-enhancing diet: A pharmacokinetic randomized controlled study*. <i>Critical Care Medicine</i> , 2009, 37, 501-509.	0.4	21
34	Long-lasting improved amino acid bioavailability associated with protein pulse feeding in hospitalized elderly patients: A randomized controlled trial. <i>Nutrition</i> , 2014, 30, 544-550.	1.1	21
35	Eligibility for Renal Denervation: Anatomical Classification and Results in Essential Resistant Hypertension. <i>CardioVascular and Interventional Radiology</i> , 2015, 38, 79-87.	0.9	20
36	EXAFS characterization of oxaliplatin anticancer drug and its degradation in chloride media. <i>Journal of Synchrotron Radiation</i> , 2006, 13, 477-483.	1.0	18

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37	KCNH2 polymorphism and methadone dosage interact to enhance QT duration. <i>Drug and Alcohol Dependence</i> , 2014, 141, 34-38.	1.6	18
38	Influence of lithium on sleep and chronotypes in remitted patients with bipolar disorder. <i>Journal of Affective Disorders</i> , 2016, 204, 32-39.	2.0	18
39	Determinants of the interindividual variability in serum cytidine deaminase activity of patients with solid tumours. <i>British Journal of Clinical Pharmacology</i> , 2019, 85, 1227-1238.	1.1	16
40	Carboplatin decomposition in aqueous solution with chloride ions monitored by X-ray absorption spectroscopy. <i>New Journal of Chemistry</i> , 2000, 24, 1003-1008.	1.4	15
41	Incidence of Pulmonary Cement Embolism after Real-Time CT Fluoroscopy-guided Vertebroplasty. <i>Journal of Vascular and Interventional Radiology</i> , 2013, 24, 1853-1860.	0.2	15
42	Selecting reference genes in RT-qPCR based on equivalence tests: a network based approach. <i>Scientific Reports</i> , 2019, 9, 16231.	1.6	15
43	About estimation of fitted parameters' statistical uncertainties in EXAFS. Critical approach on usual and Monte Carlo methods. <i>Journal of Synchrotron Radiation</i> , 2005, 12, 361-373.	1.0	14
44	Mathematical modeling in metal metabolism: Overview and perspectives. <i>Biochimie</i> , 2009, 91, 1238-1254.	1.3	13
45	Peripherally inserted central catheter placement in cancer patients with profound thrombocytopaenia: a prospective analysis. <i>European Radiology</i> , 2013, 23, 2042-2048.	2.3	13
46	Differentiation of biological hydroxyapatite compounds by infrared spectroscopy, x-ray diffraction and extended x-ray absorption fine structure. <i>Journal of Applied Physics</i> , 2001, 90, 6440-6446.	1.1	12
47	Speciation of New Tri- and Tetra-Glucoconjugated Tetrapyrrolic Macrocycles (Porphyrins and) Tj ETQq1 1 0.784314,rgBT /Overlock 10	1.2	12
48	Pain assessment and factors influencing pain during bone marrow aspiration: A prospective study. <i>PLoS ONE</i> , 2019, 14, e0221534.	1.1	12
49	Propagation of statistical errors across EXAFS extraction and Fourier filtering. <i>Journal of Synchrotron Radiation</i> , 2000, 7, 262-266.	1.0	11
50	X-ray absorption spectroscopy of low-molar-mass metallic complexes in pharmacy. <i>Journal of Synchrotron Radiation</i> , 2003, 10, 96-102.	1.0	10
51	Simulating systematic errors in X-ray absorption spectroscopy experiments: Sample and beam effects. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 841-849.	1.5	9
52	Effects of a diabetes-specific enteral nutrition on nutritional and immune status of diabetic, obese, and endotoxemic rats. <i>Critical Care Medicine</i> , 2012, 40, 2423-2430.	0.4	9
53	Partial genetic deficiency in tissue kallikrein impairs adaptation to high potassium intake in humans. <i>Kidney International</i> , 2013, 84, 1271-1277.	2.6	9
54	Lithium response in bipolar disorder: No difference in GADL1 gene expression between cell lines from excellent-responders and non-responders. <i>Psychiatry Research</i> , 2017, 251, 217-220.	1.7	9

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55	Determination of sets of covarying gene expression using graph analysis on pairwise expression ratios. <i>Bioinformatics</i> , 2019, 35, 258-265.	1.8	9
56	Robust framework and software implementation for fast speciation mapping. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 1049-1058.	1.0	9
57	Deciphering the Role of Vasopressin in Primary Aldosteronism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 3297-3303.	1.8	8
58	[ <sup>18</sup> F]FDG PET may differentiate cerebral amyloid angiopathy from Alzheimer's disease. <i>European Journal of Neurology</i> , 2021, 28, 1511-1519.	1.7	8
59	Age-at-onset subsets of bipolar I disorders: A critical insight into admixture analyses. <i>International Journal of Methods in Psychiatric Research</i> , 2017, 26, .	1.1	7
60	Clustering with missing and left-censored data: A simulation study comparing multiple-imputation-based procedures. <i>Biometrical Journal</i> , 2021, 63, 372-393.	0.6	7
61	Network of co-expressed circadian genes, childhood maltreatment and sleep quality in bipolar disorders. <i>Chronobiology International</i> , 2021, 38, 986-993.	0.9	7
62	Study of thrombin generation with St Genesia to evaluate xaban pharmacodynamics: Analytical performances over 18 months. <i>International Journal of Laboratory Hematology</i> , 2021, 43, 821-830.	0.7	7
63	SYNCHROTRON INDUCED X-RAY FLUORESCENCE, APPLIED TO THE STUDY OF A NEW As BASED DRUG AGAINST LEUKAEMIA. <i>Instrumentation Science and Technology</i> , 2002, 20, 565-570.	0.8	6
64	Gadolinium Acetylacetonate Tetraphenyl Monoporphyrinate Complex and Some of Its Derivatives: EXAFS Study and Molecular Dynamics Simulation. <i>Inorganic Chemistry</i> , 2007, 46, 6871-6879.	1.9	6
65	Response to Lithium in Patients with Bipolar Disorder: What are Psychiatrists' Experiences and Practices Compared to Literature Review?. <i>Pharmacopsychiatry</i> , 2019, 52, 70-77.	1.7	6
66	Childhood maltreatment and HPA axis gene expression in bipolar disorders: A gene network analysis. <i>Psychoneuroendocrinology</i> , 2020, 120, 104753.	1.3	6
67	Do Serotonin Reuptake Inhibitors Worsen Outcome of Patients Referred to the Emergency Department for Deliberate Multi-drug Exposure?. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2015, 116, 372-377.	1.2	5
68	Nitric oxide production by peritoneal macrophages from aged rats: A short term and direct modulation by citrulline. <i>Biochimie</i> , 2017, 133, 66-73.	1.3	5
69	Increased plasma levels of high mobility group box 1 protein in patients with bipolar disorder: A pilot study. <i>Journal of Neuroimmunology</i> , 2019, 334, 576993.	1.1	5
70	Lean Body Mass and Endocrine Status But Not Age Are Determinants of Resting Energy Expenditure in Patients with Non-Small Cell Lung Cancer. <i>Annals of Nutrition and Metabolism</i> , 2019, 75, 223-230.	1.0	4
71	A new model for statistical error analysis in XAS: about the distribution function of the absorption coefficient. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 264-266.	1.0	3
72	HIGH TIME RESOLUTION NITROGEN SPECIATION IN SIZE FRACTIONATED ATMOSPHERIC AEROSOLS. <i>Journal of Aerosol Science</i> , 2004, 35, S1173-S1174.	1.8	3

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73	Methodological Study Using XAS of an ArsenicBased Antileukemia Treatment. <i>Physica Scripta</i> , 2005, , 870.	1.2	3
74	Statistical Methodology for the Detection of Small Changes in Distances by EXAFS: Application to the Antimalarial Ruthenoquine. <i>Journal of Physical Chemistry A</i> , 2012, 116, 5577-5585.	1.1	3
75	Predictive value of baseline resistance in early response to antidepressants. <i>Journal of Affective Disorders</i> , 2014, 161, 127-135.	2.0	3
76	Thrombin generation test: A reliable tool to evaluate the pharmacodynamics of vitamin K antagonist rodenticides in rats. <i>Pesticide Biochemistry and Physiology</i> , 2018, 146, 19-24.	1.6	3
77	Experience of pain is correlated to treatment profile in patients with rheumatoid arthritis. Differentiating 5 clusters of patients in a national cohort of 1100 women with rheumatoid arthritis. <i>Joint Bone Spine</i> , 2020, 87, 675-676.	0.8	3
78	Modifications of physical and functional integrity of the blood-brain barrier in an inducible mouse model of neurodegeneration. <i>Neuropharmacology</i> , 2021, 191, 108588.	2.0	3
79	Pharmacodynamics of eftrenonacog-alfa (rFIX-Fc) in severe hemophilia B patients: A real-life study. <i>European Journal of Pharmacology</i> , 2021, 891, 173764.	1.7	3
80	INCONSISTENCIES BETWEEN MAPS OF HUMAN CHROMOSOME 22 CORRELATE WITH INCREASED FREQUENCY OF DISEASE-RELATED LOCI. <i>Journal of Biological Systems</i> , 2002, 10, 303-317.	0.5	2
81	An in silico model of enterocytic glutamine to citrulline conversion pathway. <i>Amino Acids</i> , 2012, 43, 1727-1737.	1.2	2
82	SAT0571â€¦Trends in Strong Opioid Analgesic Prescriptions by French Rheumatologists: A Nationwide Survey. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 876.1-876.	0.5	2
83	Occurrence and severity of cocaine-induced hallucinations: Two distinct phenotypes with shared clinical factors but specific genetic risk factors. <i>Drug and Alcohol Dependence</i> , 2022, 232, 109270.	1.6	2
84	CD34+ Hematopoietic Stem Cell Count Is Predictive of Vascular Event Occurrence in Children with Sickle Cell Disease. <i>Stem Cell Reviews and Reports</i> , 2018, 14, 694-701.	5.6	1
85	Preserved efficiency of sickle cell disease placentas despite altered morphology and function. <i>Placenta</i> , 2020, 100, 81-88.	0.7	1
86	Opioid epidemic: Does rheumatological practice favors risk for patients? National survey on rheumatologistsâ€™ opioid prescriptions and compliance to guidelines for strong opioid prescription. <i>Joint Bone Spine</i> , 2021, 88, 105046.	0.8	1
87	Response to S. Nadarajah & S. Kotz'sComments onA new model for statistical error analysis in XAS: about the distribution function of the absorption coefficientby E. Curis & S. BÃ©nazeth (2001).J. Synchrotron Rad.8, 264â€“266. <i>Journal of Synchrotron Radiation</i> , 2006, 13, 286-286.	1.0	0
88	Metals in health: From cell to soil, a multiscale approach. <i>Biochimie</i> , 2009, 91, 1197-1197.	1.3	0
89	P4.17 ACUTE DIETARY SODIUM CHANGES IS A PHYSIOLOGICAL DETERMINANT OF AORTIC STIFFNESS. <i>Artery Research</i> , 2013, 7, 140.	0.3	0
90	Identification of baseline parameters associated with the inter-individual variability in cytidine deaminase serum activity, a key enzyme in the metabolism of pyrimidine analogue. <i>Annals of Oncology</i> , 2016, 27, vi42.	0.6	0

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91	Enquête nationale sur la prescription d'opioïdes forts par les rhumatologues français dans les douleurs non cancéreuses. Revue Du Rhumatisme (Edition Francaise), 2016, 83, A97-A98.	0.0	0
92	F45 The Perspective of TXRF for Environmental Analysis - Invited. Powder Diffraction, 2003, 18, 177-177.	0.4	0
93	Identification of baseline parameters associated with the inter-individual variability in cytidine deaminase serum activity, a key enzyme in the metabolism of pyrimidine analogue.. Journal of Clinical Oncology, 2016, 34, e14096-e14096.	0.8	0