# Emmanuel Curis

List of Publications by Year
in descending order

| 93 papers | 2,802 citations | 218677<br>26 h-index | 197818<br>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. International Journal of Methods in Psychiatric Research, 2018, 27, e1608. | 2.1 | 465 |
| 2 | Almost all about citrulline in mammals. Amino Acids, 2005, 29, 177-205. | 2.7 | 448 |
| 3 | Citrulline: From metabolism to therapeutic use. Nutrition, 2013, 29, 479-484. | 2.4 | 124 |
| 4 | Citrulline and the gut. Current Opinion in Clinical Nutrition and Metabolic Care, 2007, 10, 620-626. | 2.5 | 120 |
| 5 | Impact of protein pulse feeding on lean mass in malnourished and at-risk hospitalized elderly patients: A randomized controlled trial. Clinical Nutrition, 2013, 32, 186-192. | 5.0 | 120 |
| 6 | Metabolomics analysis of human acute graft-versus-host disease reveals changes in host and microbiota-derived metabolites. Nature Communications, 2019, 10, 5695. | 12.8 | 91 |
| 7 | Ornithine Aminotransferase, an Important Glutamate-Metabolizing Enzyme at the Crossroads of Multiple Metabolic Pathways. Biology, 2017, 6, 18. | 2.8 | 83 |
| 8 | Observations of a large Dent disease cohort. Kidney International, 2016, 90, 430-439. | 5.2 | 71 |
| 9 | Isolation and differential transcriptome of vascular smooth muscle cells and mid-capillary pericytes from the rat brain. Scientific Reports, 2018, 8, 12272. | 3.3 | 55 |
| 10 | Population pharmacokinetics of clindamycin orally and intravenously administered in patients with osteomyelitis. British Journal of Clinical Pharmacology, 2012, 74, 971-977. | 2.4 | 53 |
| 11 | Plasma Soluble (Pro)Renin Receptor Is Independent of Plasma Renin, Prorenin, and Aldosterone Concentrations But Is Affected by Ethnicity. Hypertension, 2014, 63, 297-302. | 2.7 | 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. Clinical and Experimental Immunology, 2015, 180, 11-18. | 2.6 | 47 |
| 13 | Lithium response in bipolar disorders and core clock genes expression. World Journal of Biological Psychiatry, 2018, 19, 619-632. | 2.6 | 45 |
| 14 | Anastomotic leakage after colorectal surgery: diagnostic accuracy of CT. European Radiology, 2015, 25, 3543-3551. | 4.5 | 41 |
| 15 | Pharmacokinetics and pharmacodynamics of tacrolimus in liver transplant recipients: inside the white blood cells. Clinical Biochemistry, 2015, 48, 406-411. | 1.9 | 40 |
| 16 | Arsenite medicinal use, metabolism, pharmacokinetics and monitoring in human hair. Biochimie, 2009, 91, 1260-1267. | 2.6 | 39 |
| 17 | Heckman imputation models for binary or continuous MNAR outcomes and MAR predictors. BMC Medical Research Methodology, 2018, 18, 90. | 3.1 | 35 |
| 18 | Mechanisms and kinetics of citrulline uptake in a model of human intestinal epithelial cells. Clinical Nutrition, 2008, 27, 872-880. | 5.0 | 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. Clinical Toxicology, 2016, 54, 615-623. | 1.9 | 34 |
| 20 | Experimental modeling of recombinant tissue plasminogen activator effects after ischemic stroke. Experimental Neurology, 2012, 238, 138-144. | 4.1 | 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. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 2084-2089. | 3.6 | 33 |
| 22 | Angiotensin II Promotes Thoracic Aortic Dissections and Ruptures in <i>Col3a1</i> Haploinsufficient Mice. Hypertension, 2013, 62, 203-208. | 2.7 | 32 |
| 23 | Pharmacokinetic variability of clindamycin and influence of rifampicin on clindamycin concentration in patients with bone and joint infections. Infection, 2015, 43, 473-481. | 4.7 | 31 |
| 24 | Potential usefulness of activated charcoal (DOAC remove®) for dRVVT testing in patients receiving Direct Oral AntiCoagulants. Thrombosis Research, 2019, 184, 86-91. | 1.7 | 30 |
| 25 | Endotoxemia affects citrulline, arginine and glutamine bioavailability. European Journal of Clinical Investigation, 2012, 42, 282-289. | 3.4 | 29 |
| 26 | Copper(II)–l-glutamine complexation study in solid state and in aqueous solution. Inorganica Chimica Acta, 2003, 353, 22-34. | 2.4 | 27 |
| 27 | XAS applied to pharmaceuticals: drug administration and bioavailability. Journal of Synchrotron Radiation, 2001, 8, 984-986. | 2.4 | 24 |
| 28 | TNF-α/IL-2 ratio discriminates latent from active tuberculosis in immunocompetent children: a pilot study. Pediatric Research, 2012, 72, 370-374. | 2.3 | 24 |
| 29 | Rivaroxaban pharmacodynamics in healthy volunteers evaluated with thrombin generation and the active protein C system: Modeling and assessing interindividual variability. Journal of Thrombosis and Haemostasis, 2019, 17, 1670-1682. | 3.8 | 24 |
| 30 | Carboplatin and oxaliplatin decomposition in chloride medium, monitored by XAS. Journal of Synchrotron Radiation, 2001, 8, 716-718. | 2.4 | 23 |
| 31 | Hypoxia interferes with aryl hydrocarbon receptor pathway in <scp>hCMEC</scp>/D3 human cerebral microvascular endothelial cells. Journal of Neurochemistry, 2015, 132, 373-383. | 3.9 | 22 |
| 32 | Modified ROTEM for the detection of rivaroxaban and apixaban anticoagulant activity in whole blood. European Journal of Anaesthesiology, 2019, 36, 449-456. | 1.7 | 22 |
| 33 | Increasing plasma glutamine in postoperative patients fed an arginine-rich immune-enhancing diet—A pharmacokinetic randomized controlled study*. Critical Care Medicine, 2009, 37, 501-509. | 0.9 | 21 |
| 34 | Long-lasting improved amino acid bioavailability associated with protein pulse feeding in hospitalized elderly patients: A randomized controlled trial. Nutrition, 2014, 30, 544-550. | 2.4 | 21 |
| 35 | Eligibility for Renal Denervation: Anatomical Classification and Results in Essential Resistant Hypertension. CardioVascular and Interventional Radiology, 2015, 38, 79-87. | 2.0 | 20 |
| 36 | EXAFS characterization of oxaliplatin anticancer drug and its degradation in chloride media. Journal of Synchrotron Radiation, 2006, 13, 477-483. | 2.4 | 18 |

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|---|---------|----|-----------| 
| 37 | KCNH2 polymorphism and methadone dosage interact to enhance QT duration. Drug and Alcohol Dependence, 2014, 141, 34-38. | 3.2 | 18 |
| 38 | Influence of lithium on sleep and chronotypes in remitted patients with bipolar disorder. Journal of Affective Disorders, 2016, 204, 32-39. | 4.1 | 18 |
| 39 | Determinants of the interindividual variability in serum cytidine deaminase activity of patients with solid tumours. British Journal of Clinical Pharmacology, 2019, 85, 1227-1238. | 2.4 | 16 |
| 40 | Carboplatin decomposition in aqueous solution with chloride ions monitored by X-ray absorption spectroscopy. New Journal of Chemistry, 2000, 24, 1003-1008. | 2.8 | 15 |
| 41 | Incidence of Pulmonary Cement Embolism after Real-Time CT Fluoroscopy–guided Vertebroplasty. Journal of Vascular and Interventional Radiology, 2013, 24, 1853-1860. | 0.5 | 15 |
| 42 | Selecting reference genes in RT-qPCR based on equivalence tests: a network based approach. Scientific Reports, 2019, 9, 16231. | 3.3 | 15 |
| 43 | About estimation of fitted parameters' statistical uncertainties in EXAFS. Critical approach on usual and Monte Carlo methods. Journal of Synchrotron Radiation, 2005, 12, 361-373. | 2.4 | 14 |
| 44 | Mathematical modeling in metal metabolism: Overview and perspectives. Biochimie, 2009, 91, 1238-1254. | 2.6 | 13 |
| 45 | Peripherally inserted central catheter placement in cancer patients with profound thrombocytopaenia: a prospective analysis. European Radiology, 2013, 23, 2042-2048. | 4.5 | 13 |
| 46 | Differentiation of biological hydroxyapatite compounds by infrared spectroscopy, x-ray diffraction and extended x-ray absorption fine structure. Journal of Applied Physics, 2001, 90, 6440-6446. | 2.5 | 12 |
| 47 | Speciation of New Tri- and Tetra-Glucoconjugated Tetrapyrrolic Macrocycles (Porphyrins and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 | 2.2 | 12 |
| 48 | Pain assessment and factors influencing pain during bone marrow aspiration: A prospective study. PLoS ONE, 2019, 14, e0221534. | 2.5 | 12 |
| 49 | Propagation of statistical errors across EXAFS extraction and Fourier filtering. Journal of Synchrotron Radiation, 2000, 7, 262-266. | 2.4 | 11 |
| 50 | X-ray absorption spectroscopy of low-molar-mass metallic complexes in pharmacy. Journal of Synchrotron Radiation, 2003, 10, 96-102. | 2.4 | 10 |
| 51 | Simulating systematic errors in X-ray absorption spectroscopy experiments: Sample and beam effects. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 841-849. | 2.9 | 9 |
| 52 | Effects of a diabetes-specific enteral nutrition on nutritional and immune status of diabetic, obese, and endotoxemic rats. Critical Care Medicine, 2012, 40, 2423-2430. | 0.9 | 9 |
| 53 | Partial genetic deficiency in tissue kallikrein impairs adaptation to high potassium intake in humans. Kidney International, 2013, 84, 1271-1277. | 5.2 | 9 |
| 54 | Lithium response in bipolar disorder: No difference in GADL1 gene expression between cell lines from excellent-responders and non-responders. Psychiatry Research, 2017, 251, 217-220. | 3.3 | 9 |

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| 55 | Determination of sets of covariating gene expression using graph analysis on pairwise expression ratios. Bioinformatics, 2019, 35, 258-265. | 4.1 | 9 |
| 56 | Robust framework and software implementation for fast speciation mapping. Journal of Synchrotron Radiation, 2020, 27, 1049-1058. | 2.4 | 9 |
| 57 | Deciphering the Role of Vasopressin in Primary Aldosteronism. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 3297-3303. | 3.6 | 8 |
| 58 | [<sup>18</sup>F]FDG PET may differentiate cerebral amyloid angiopathy from Alzheimerâ€™s disease. European Journal of Neurology, 2021, 28, 1511-1519. | 3.3 | 8 |
| 59 | Ageâ€atâ€onset subsets of bipolar I disorders: A critical insight into admixture analyses. International Journal of Methods in Psychiatric Research, 2017, 26, . | 2.1 | 7 |
| 60 | Clustering with missing and leftâ€censored data: A simulation study comparing multipleâ€imputationâ€based procedures. Biometrical Journal, 2021, 63, 372-393. | 1.0 | 7 |
| 61 | Network of co-expressed circadian genes, childhood maltreatment and sleep quality in bipolar disorders. Chronobiology International, 2021, 38, 986-993. | 2.0 | 7 |
| 62 | Study of thrombin generation with St Genesia to evaluate xaban pharmacodynamics: Analytical performances over 18Âmonths. International Journal of Laboratory Hematology, 2021, 43, 821-830. | 1.3 | 7 |
| 63 | SYNCHROTRON INDUCED X-RAY FLUORESCENCE, APPLIED TO THE STUDY OF A NEW As BASED DRUG AGAINST LEUKAEMIA. Instrumentation Science and Technology, 2002, 20, 565-570. | 0.8 | 6 |
| 64 | Gadolinium Acetylacetonate Tetraphenyl Monoporphyrinate Complex and Some of Its Derivatives:â€‰ EXAFS Study and Molecular Dynamics Simulation. Inorganic Chemistry, 2007, 46, 6871-6879. | 4.0 | 6 |
| 65 | Response to Lithium in Patients with Bipolar Disorder: What are Psychiatristsâ€™ Experiences and Practices Compared to Literature Review?. Pharmacopsychiatry, 2019, 52, 70-77. | 3.3 | 6 |
| 66 | Childhood maltreatment and HPA axis gene expression in bipolar disorders: A gene network analysis. Psychoneuroendocrinology, 2020, 120, 104753. | 2.7 | 6 |
| 67 | Do Serotonin Reuptake Inhibitors Worsen Outcome of Patients Referred to the Emergency Department for Deliberate Multiâ€drug Exposure?. Basic and Clinical Pharmacology and Toxicology, 2015, 116, 372-377. | 2.5 | 5 |
| 68 | Nitric oxide production by peritoneal macrophages from aged rats: A short term and direct modulation by citrulline. Biochimie, 2017, 133, 66-73. | 2.6 | 5 |
| 69 | Increased plasma levels of high mobility group box 1 protein in patients with bipolar disorder: A pilot study. Journal of Neuroimmunology, 2019, 334, 576993. | 2.3 | 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. Annals of Nutrition and Metabolism, 2019, 75, 223-230. | 1.9 | 4 |
| 71 | A new model for statistical error analysis in XAS: about the distribution function of the absorption coefficient. Journal of Synchrotron Radiation, 2001, 8, 264-266. | 2.4 | 3 |
| 72 | HIGH TIME RESOLUTION NITROGEN SPECIATION IN SIZE FRACTIONATED ATMOSPHERIC AEROSOLS. Journal of Aerosol Science, 2004, 35, S1173-S1174. | 3.8 | 3 |

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|---|---------|-----|-----------|
| 73 | Methodological Study Using XAS of an ArsenicBased Antileukemia Treatment. Physica Scripta, 2005, , 870. | 2.5 | 3 |
| 74 | Statistical Methodology for the Detection of Small Changes in Distances by EXAFS: Application to the Antimalarial Ruthenoquine. Journal of Physical Chemistry A, 2012, 116, 5577-5585. | 2.5 | 3 |
| 75 | Predictive value of baseline resistance in early response to antidepressants. Journal of Affective Disorders, 2014, 161, 127-135. | 4.1 | 3 |
| 76 | Thrombin generation test: A reliable tool to evaluate the pharmacodynamics of vitamin K antagonist rodenticides in rats. Pesticide Biochemistry and Physiology, 2018, 146, 19-24. | 3.6 | 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. Joint Bone Spine, 2020, 87, 675-676. | 1.6 | 3 |
| 78 | Modifications of physical and functional integrity of the blood-brain barrier in an inducible mouse model of neurodegeneration. Neuropharmacology, 2021, 191, 108588. | 4.1 | 3 |
| 79 | Pharmacodynamics of eftrenonacog-alfa (rFIX-Fc) in severe hemophilia B patients: A real-life study. European Journal of Pharmacology, 2021, 891, 173764. | 3.5 | 3 |
| 80 | INCONSISTENCIES BETWEEN MAPS OF HUMAN CHROMOSOME 22 CORRELATE WITH INCREASED FREQUENCY OF DISEASE-RELATED LOCI. Journal of Biological Systems, 2002, 10, 303-317. | 1.4 | 2 |
| 81 | An in silico model of enterocytic glutamine to citrulline conversion pathway. Amino Acids, 2012, 43, 1727-1737. | 2.7 | 2 |
| 82 | SAT0571â€¦Trends in Strong Opioid Analgesic Prescriptions by French Rheumatologists: A Nationwide Survey. Annals of the Rheumatic Diseases, 2016, 75, 876.1-876. | 0.9 | 2 |
| 83 | Occurrence and severity of cocaine-induced hallucinations: Two distinct phenotypes with shared clinical factors but specific genetic risk factors. Drug and Alcohol Dependence, 2022, 232, 109270. | 3.2 | 2 |
| 84 | CD34+ Hematopoietic Stem Cell Count Is Predictive of Vascular Event Occurrence in Children with Sickle Cell Disease. Stem Cell Reviews and Reports, 2018, 14, 694-701. | 5.6 | 1 |
| 85 | Preserved efficiency of sickle cell disease placentas despite altered morphology and function. Placenta, 2020, 100, 81-88. | 1.5 | 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. Joint Bone Spine, 2021, 88, 105046. | 1.6 | 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. Journal of Synchrotron Radiation, 2006, 13, 286-286. | 2.4 | 0 |
| 88 | Metals in health: From cell to soil, a multiscale approach. Biochimie, 2009, 91, 1197-1197. | 2.6 | 0 |
| 89 | P4.17 ACUTE DIETARY SODIUM CHANGES IS A PHYSIOLOGICAL DETERMINANT OF AORTIC STIFFNESS. Artery Research, 2013, 7, 140. | 0.6 | 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. Annals of Oncology, 2016, 27, vi42. | 1.2 | 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. | 0.2 | 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. | 1.6 | 0 |