

# Jean-Marc Lo Guidice

## List of Publications by Year in descending order

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79  
papers

3,520  
citations

117571

34  
h-index

143943

57  
g-index

81  
all docs

81  
docs citations

81  
times ranked

4577  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymorphism of the cytochrome P450 CYP2D6 gene in a European population: characterization of 48 mutations and 53 alleles, their frequencies and evolution. <i>Pharmacogenetics and Genomics</i> , 1997, 7, 193-202.	5.7	365
2	miR-199a-5p Is Upregulated during Fibrogenic Response to Tissue Injury and Mediates TGFbeta-Induced Lung Fibroblast Activation by Targeting Caveolin-1. <i>PLoS Genetics</i> , 2013, 9, e1003291.	1.5	210
3	Identification of Keratinocyte Growth Factor as a Target of microRNA-155 in Lung Fibroblasts: Implication in Epithelial-Mesenchymal Interactions. <i>PLoS ONE</i> , 2009, 4, e6718.	1.1	192
4	Increased Circulating miR-21 Levels Are Associated with Kidney Fibrosis. <i>PLoS ONE</i> , 2013, 8, e58014.	1.1	175
5	Genotypic and phenotypic analysis of the polymorphic thiopurine S-methyltransferase gene (TPMT) in a European population. <i>British Journal of Pharmacology</i> , 1998, 125, 879-887.	2.7	160
6	Human airway mucin glycosylation: a combinatory of carbohydrate determinants which vary in cystic fibrosis. <i>Glycoconjugate Journal</i> , 2001, 18, 661-684.	1.4	153
7	Detection of known and new mutations in the thiopurineS-methyltransferase gene by single-strand conformation polymorphism analysis. , 1998, 12, 177-185.		100
8	Altered Carbohydrate Composition of Salivary Mucins from Patients with Cystic Fibrosis and the Adhesion of <i>Pseudomonas aeruginosa</i> . <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1993, 9, 323-334.	1.4	81
9	Chemical Evaluation of Electronic Cigarettes: Multicomponent Analysis of Liquid Refills and their Corresponding Aerosols. <i>Journal of Analytical Toxicology</i> , 2017, 41, 670-678.	1.7	77
10	An efficient strategy for detection of known and new mutations of the CYP2D6 gene using single strand conformation polymorphism analysis. <i>Pharmacogenetics and Genomics</i> , 1995, 5, 373-384.	5.7	75
11	In vitro evaluation of organic extractable matter from ambient PM2.5 using human bronchial epithelial BEAS-2B cells: Cytotoxicity, oxidative stress, pro-inflammatory response, genotoxicity, and cell cycle deregulation. <i>Environmental Research</i> , 2019, 171, 510-522.	3.7	74
12	Genetic and epigenetic alterations in normal and sensitive COPD-diseased human bronchial epithelial cells repeatedly exposed to air pollution-derived PM 2.5. <i>Environmental Pollution</i> , 2017, 230, 163-177.	3.7	73
13	Comparison of the chemical composition of aerosols from heated tobacco products, electronic cigarettes and tobacco cigarettes and their toxic impacts on the human bronchial epithelial BEAS-2B cells. <i>Journal of Hazardous Materials</i> , 2021, 401, 123417.	6.5	73
14	Xenobiotic Metabolism and Disposition in Human Lung Cell Models: Comparison with In Vivo Expression Profiles. <i>Drug Metabolism and Disposition</i> , 2012, 40, 1953-1965.	1.7	70
15	Gene Expression Profiling of Systems Involved in the Metabolism and the Disposition of Xenobiotics: Comparison between Human Intestinal Biopsy Samples and Colon Cell Lines. <i>Drug Metabolism and Disposition</i> , 2012, 40, 694-705.	1.7	65
16	Comparison of cellular and transcriptomic effects between electronic cigarette vapor and cigarette smoke in human bronchial epithelial cells. <i>Toxicology in Vitro</i> , 2017, 45, 417-425.	1.1	59
17	Differential responses of healthy and chronic obstructive pulmonary diseased human bronchial epithelial cells repeatedly exposed to air pollution-derived PM4. <i>Environmental Pollution</i> , 2016, 218, 1074-1088.	3.7	58
18	In vitro characterization of four novel non-functional variants of the thiopurine S-methyltransferase. <i>Biochemical and Biophysical Research Communications</i> , 2003, 309, 1005-1010.	1.0	54

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19	Identification of a novel splice-site mutation in the CYP1A2 gene. <i>British Journal of Clinical Pharmacology</i> , 2003, 56, 341-344.	1.1	53
20	Characterisation of novel defective thiopurine S-methyltransferase allelic variants. <i>Biochemical Pharmacology</i> , 2008, 76, 404-415.	2.0	53
21	Influence of puffing conditions on the carbonyl composition of e-cigarette aerosols. <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 136-146.	2.1	52
22	Evidence for CYP2D6 Expression in Human Lung. <i>Biochemical and Biophysical Research Communications</i> , 1997, 241, 79-85.	1.0	50
23	Characterization of an N-Acetylglucosamine-6-O-sulfotransferase from Human Respiratory Mucosa Active on Mucin Carbohydrate Chains. <i>Journal of Biological Chemistry</i> , 1997, 272, 29493-29501.	1.6	48
24	Profiling gene expression of whole cytochrome P450 superfamily in human bronchial and peripheral lung tissues: Differential expression in non-small cell lung cancers. <i>Biochimie</i> , 2010, 92, 292-306.	1.3	48
25	Identification and functional analysis of two rare allelic variants of the thiopurine S-methyltransferase gene, TPMT*16 and TPMT*19. <i>Biochemical Pharmacology</i> , 2005, 69, 525-529.	2.0	47
26	Genetic polymorphism of the human cytochrome CYP2A13 in a French population: implication in lung cancer susceptibility. <i>Biochemical and Biophysical Research Communications</i> , 2004, 317, 662-669.	1.0	45
27	A novel CYP2D6 allele with an abolished splice recognition site associated with the poor metabolizer phenotype. <i>Pharmacogenetics and Genomics</i> , 1995, 5, 305-311.	5.7	43
28	Characterization of a Sulfotransferase from Human Airways Responsible for the 3-O-Sulfation of Terminal Galactose in N-Acetylglucosamine-containing Mucin Carbohydrate Chains. <i>Journal of Biological Chemistry</i> , 1995, 270, 27544-27550.	1.6	40
29	Ethnic differences in the distribution of CYP3A5 gene polymorphisms. <i>Xenobiotica</i> , 2006, 36, 1191-1200.	0.5	40
30	Xenobiotic metabolism and disposition in human lung: Transcript profiling in non-tumoral and tumoral tissues. <i>Biochimie</i> , 2011, 93, 1012-1027.	1.3	40
31	Particulate metal bioaccessibility in physiological fluids and cell culture media: Toxicological perspectives. <i>Environmental Research</i> , 2017, 156, 148-157.	3.7	40
32	Trace elements in e-liquids - Development and validation of an ICP-MS method for the analysis of electronic cigarette refills. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 79, 144-148.	1.3	39
33	Characterization of new mutations in the coding sequence and 5'-untranslated region of the human prostacyclin synthase gene (CYP8A1). <i>Human Genetics</i> , 2001, 108, 148-155.	1.8	38
34	Structures of sulfated oligosaccharides isolated from the respiratory mucins of a non-secretor (O <sub>1</sub> ) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.4	35
35	Evidence for a functional genetic polymorphism of the human thiosulfate sulfurtransferase (Rhodanese), a cyanide and H <sub>2</sub> S detoxification enzyme. <i>Toxicology</i> , 2006, 225, 1-11.	2.0	35
36	NAT2 genotyping and efficacy of sulfasalazine in patients with chronic discoid lupus erythematosus. <i>Pharmacogenetics and Genomics</i> , 1997, 7, 131-135.	5.7	34

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37	Evidence for a functional genetic polymorphism of the human mercaptopyruvate sulfurtransferase (MPST), a cyanide detoxification enzyme. <i>Toxicology Letters</i> , 2006, 165, 101-111.	0.4	28
38	Toxicity of fine and quasi-ultrafine particles: Focus on the effects of organic extractable and non-extractable matter fractions. <i>Chemosphere</i> , 2020, 243, 125440.	4.2	28
39	Genetic polymorphism of the human cytochrome P450 CYP4B1: evidence for a non-functional allelic variant. <i>Pharmacogenetics and Genomics</i> , 2002, 12, 367-374.	5.7	27
40	Expression profiles of genes involved in xenobiotic metabolism and disposition in human renal tissues and renal cell models. <i>Toxicology and Applied Pharmacology</i> , 2014, 279, 409-418.	1.3	27
41	Functional analysis of CYP2D6.31 variant: Homology modeling suggests possible disruption of redox partner interaction by Arg440His substitution. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 59, 339-346.	1.5	23
42	Genetic polymorphism of CYP2U1, a cytochrome P450 involved in fatty acids hydroxylation. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2010, 83, 105-110.	1.0	23
43	Evidence for a functional genetic polymorphism of the Rho-GTPase Rac1. Implication in azathioprine response?. <i>Pharmacogenetics and Genomics</i> , 2011, 21, 313-324.	0.7	23
44	Molecular analysis of the N-acetyltransferase 1 gene (NAT1*) using polymerase chain reaction-restriction fragment-single strand conformation polymorphism assay. <i>Pharmacogenetics and Genomics</i> , 2000, 10, 293-300.	5.7	23
45	Exposure to Atmospheric Ultrafine Particles Induces Severe Lung Inflammatory Response and Tissue Remodeling in Mice. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1210.	1.2	22
46	Toxicological appraisal of the chemical fractions of ambient fine (PM2.5-0.3) and quasi-ultrafine (PM0.3) particles in human bronchial epithelial BEAS-2B cells. <i>Environmental Pollution</i> , 2020, 263, 114620.	3.7	22
47	Molecular analysis of the CYP2F1 gene: Identification of a frequent non-functional allelic variant. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007, 617, 79-89.	0.4	21
48	Reduced maternal behavior caused by gestational stress is predictive of life span changes in risk-taking behavior and gene expression due to altering of the stress/anti-stress balance. <i>NeuroToxicology</i> , 2018, 66, 138-149.	1.4	21
49	Evidence for a functional genetic polymorphism of the human retinoic acid metabolizing enzyme CYP26A1, an enzyme that may be involved in spina bifida. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2006, 76, 491-498.	1.6	20
50	Separation of mucin oligosaccharide-alditols by high performance liquid chromatography on alkylamine-bonded silica columns. Effects of structural parameters. <i>Carbohydrate Research</i> , 1992, 236, 9-16.	1.1	19
51	Mucins secreted by a transformed cell line derived from human tracheal gland cells1. <i>Biochemical Journal</i> , 1997, 326, 431-437.	1.7	19
52	First report of a genetic polymorphism of the cytochrome P450 3A43 (CYP3A43) gene: Identification of a loss-of-function variant. <i>Human Mutation</i> , 2004, 23, 101-101.	1.1	19
53	CYP2D6 Polymorphism and Parkinson's disease susceptibility. <i>Movement Disorders</i> , 1999, 14, 230-236.	2.2	17
54	In-vitro analysis of the contribution of CYP2D6.35 to ultra-rapid metabolism. <i>Pharmacogenetics and Genomics</i> , 2001, 11, 739-741.	5.7	17

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55	Genetic polymorphisms of Glycine N-acyltransferase (GLYAT) in a French Caucasian population. <i>Xenobiotica</i> , 2010, 40, 853-861.	0.5	17
56	Combination of high-performance anion-exchange chromatography and electrospray mass spectrometry for analysis of the in vitro O-glycosylated mucin motif peptide. <i>Biomedical Applications</i> , 1994, 658, 31-38.	1.7	16
57	SHORT COMMUNICATION: Influence of a mutation reducing the catalytic activity of the cytochrome P450 CYP2D6 on lung cancer susceptibility. <i>Carcinogenesis</i> , 1996, 17, 2267-2269.	1.3	16
58	A rare G2061 insertion affecting the open reading frame of CYP2D6 and responsible for the poor metabolizer phenotype. <i>Pharmacogenetics and Genomics</i> , 1999, 9, 393-396.	5.7	15
59	Identification of genetic variants in the human thromboxane synthase gene (CYP5A1). <i>Mutation Research - Mutation Research Genomics</i> , 2001, 432, 61-67.	1.2	15
60	Genetic polymorphism of CYP4A11 and CYP4A22 genes and in silico insights from comparative 3D modelling in a French population. <i>Gene</i> , 2011, 487, 10-20.	1.0	15
61	Sequence analysis, frequency and ethnic distribution of VNTR polymorphism in the 5' untranslated region of the human prostacyclin synthase gene (CYP8A1). <i>Prostaglandins and Other Lipid Mediators</i> , 2002, 70, 31-37.	1.0	13
62	Functional characterization of genetic polymorphisms identified in the human cytochrome P450 4F12 (CYP4F12) promoter region. <i>Biochemical Pharmacology</i> , 2004, 67, 2231-2238.	2.0	12
63	CYP2A13 genetic polymorphism in French Caucasian, Gabonese and Tunisian populations. <i>Xenobiotica</i> , 2005, 35, 661-669.	0.5	12
64	Identification by single-strand conformational polymorphism analysis of known and new mutations of the CYP3A5 gene in a French population. <i>Toxicology Letters</i> , 2006, 164, 177-184.	0.4	12
65	Exposure to metal fumes and circulating miRNAs in Algerian welders. <i>International Archives of Occupational and Environmental Health</i> , 2020, 93, 553-561.	1.1	12
66	The fucosylation and secretion of mucins synthesized in human bronchial cells vary according to growth conditions. <i>Glycobiology</i> , 1997, 7, 95-101.	1.3	11
67	<i>&lt;i&gt;IMPDH2&lt;/i&gt;</i> Genetic Polymorphism: A Promoter Single-Nucleotide Polymorphism Disrupts a Cyclic Adenosine Monophosphate Responsive Element. <i>Genetic Testing and Molecular Biomarkers</i> , 2009, 13, 841-847.	0.3	11
68	Human CYP4F12 genetic polymorphism: identification and functional characterization of seven variant allozymes. <i>Biochemical Pharmacology</i> , 2004, 68, 2417-2425.	2.0	10
69	CYP2F1 genetic polymorphism: Identification of interethnic variations. <i>Xenobiotica</i> , 2007, 37, 1433-1438.	0.5	10
70	Detection of known and two novel (M331I and R464S) missense mutations in the human CYP1A1 gene in a French Caucasian population. <i>Human Mutation</i> , 2001, 17, 355-355.	1.1	9
71	Comparison of the in vivo genotoxicity of electronic and conventional cigarettes aerosols after subacute, subchronic and chronic exposures.. <i>Journal of Hazardous Materials</i> , 2022, 423, 127246.	6.5	9
72	Inter-ethnic variability of three functional polymorphisms affecting the IMPDH2 gene. <i>Molecular Biology Reports</i> , 2011, 38, 5185-5188.	1.0	6

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73	Short-term and residential exposure to air pollution: Associations with inflammatory biomarker levels in adults living in northern France. <i>Science of the Total Environment</i> , 2022, 833, 154985.	3.9	3
74	An additional allelic variant of the CYP2D6 gene causing impaired metabolism of sparteine. <i>Human Genetics</i> , 1996, 97, 668-670.	1.8	2
75	S15.7 Acidic oligosaccharides isolated from respiratory mucins of a patient suffering from cystic fibrosis (CF). <i>Glycoconjugate Journal</i> , 1993, 10, 313-314.	1.4	1
76	S20.19 Mucin secretion by clones derived from a human lung adenocarcinoma cell line. <i>Glycoconjugate Journal</i> , 1993, 10, 348-348.	1.4	0
77	Evidence for a functional genetic polymorphism of the Rho-Gtpase Rac1: Implication in azathioprine response?. <i>Toxicology Letters</i> , 2011, 205, S102.	0.4	0
78	Transcriptomic alterations induced by air pollution-derived PM2.5 reflect the shift from healthy to COPD-diseased human bronchial epithelium. , 2018, , .		0
79	Mitochondrion: a critical target for the toxicity of air pollution-derived PM2.5 in healthy and COPD human bronchial epithelial cells. , 2018, , .		0