

Lorella Pascolo

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

2,371
citations

218677

26
h-index

223800

46
g-index

90
all docs

90
docs citations

90
times ranked

2544
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular basis of bilirubin-induced neurotoxicity. <i>Trends in Molecular Medicine</i> , 2004, 10, 65-70.	6.7	171
2	Bilirubin protects astrocytes from its own toxicity by inducing up-regulation and translocation of multidrug resistance-associated protein 1 (Mrp1). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 2470-2475.	7.1	148
3	New concepts in bilirubin encephalopathy. <i>European Journal of Clinical Investigation</i> , 2003, 33, 988-997.	3.4	136
4	Affinity of Human Serum Albumin for Bilirubin Varies with Albumin Concentration and Buffer Composition. <i>Journal of Biological Chemistry</i> , 2001, 276, 29953-29960.	3.4	101
5	Molecular Mechanisms for the Hepatic Uptake of Magnetic Resonance Imaging Contrast Agents. <i>Biochemical and Biophysical Research Communications</i> , 1999, 257, 746-752.	2.1	95
6	Effects of maturation on RNA transcription and protein expression of four MRP genes in human placenta and in BeWo cells. <i>Biochemical and Biophysical Research Communications</i> , 2003, 303, 259-265.	2.1	87
7	Cellular distribution and degradation of cobalt ferrite nanoparticles in Balb/3T3 mouse fibroblasts. <i>Toxicology Letters</i> , 2011, 207, 128-136.	0.8	87
8	Reassessment of the Unbound Concentrations of Unconjugated Bilirubin in Relation to Neurotoxicity In Vitro. <i>Pediatric Research</i> , 2003, 54, 98-104.	2.3	85
9	Improvements and problems in preparation of 3H-un-conjugated bilirubin (3H-UCB) by biosynthetic labeling from 3H- \hat{I} -aminolevulinic acid (3H- \hat{I} -ALA). <i>Journal of Hepatology</i> , 2000, 32, 208.	3.7	75
10	The interaction of asbestos and iron in lung tissue revealed by synchrotron-based scanning X-ray microscopy. <i>Scientific Reports</i> , 2013, 3, 1123.	3.3	72
11	The products of YCF1 and YLL015w (BPT1) cooperate for the ATP-dependent vacuolar transport of unconjugated bilirubin in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2000, 16, 561-571.	1.7	68
12	The human multidrug-resistance-associated protein MRP1 mediates ATP-dependent transport of unconjugated bilirubin. <i>Biochemical Journal</i> , 2004, 383, 335-341.	3.7	65
13	ABC Protein Transport of MRI Contrast Agents in Canalicular Rat Liver Plasma Vesicles and Yeast Vacuoles. <i>Biochemical and Biophysical Research Communications</i> , 2001, 282, 60-66.	2.1	63
14	Mechanisms for the transport of unconjugated bilirubin in human trophoblastic BeWo cells. <i>FEBS Letters</i> , 2001, 495, 94-99.	2.8	58
15	Molecular Determinants in the Transport of a Bile Acid-Derived Diagnostic Agent in Tumoral and Nontumoral Cell Lines of Human Liver. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 319, 809-817.	2.5	51
16	Gene Expression of ABC Proteins in Hepatocellular Carcinoma, Perineoplastic Tissue, and Liver Diseases. <i>Molecular Medicine</i> , 2002, 8, 318-325.	4.4	49
17	Evidence for Carrier-mediated Transport of Unconjugated Bilirubin Across Plasma Membrane Vesicles from Human Placental Trophoblast. <i>Placenta</i> , 2002, 23, 527-535.	1.5	44
18	TMPRSS2 and ACE2 Coexpression in SARS-CoV-2 Salivary Glands Infection. <i>Journal of Dental Research</i> , 2020, 99, 1120-1121.	5.2	44

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19	Oxidative damage in DNA bases revealed by UV resonant Raman spectroscopy. <i>Analyst, The</i> , 2015, 140, 1477-1485.	3.5	41
20	Synchrotron soft X-ray imaging and fluorescence microscopy reveal novel features of asbestos body morphology and composition in human lung tissues. <i>Particle and Fibre Toxicology</i> , 2011, 8, 7.	6.2	39
21	Magnetic Resonance Contrast Agents: From the Bench to the Patient. <i>Current Pharmaceutical Design</i> , 2005, 11, 4079-4098.	1.9	38
22	In vitro and in vivo hepatic transport of the magnetic resonance imaging contrast agent B22956/1: role of MRP proteins. <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 100-105.	2.1	37
23	Mechanisms of bilirubin neurotoxicity. <i>Hepatology</i> , 2002, 35, 1277-1280.	7.3	36
24	SARS-CoV-2 and the next generations: which impact on reproductive tissues?. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 2399-2403.	2.5	35
25	Albumin binding of unconjugated [3H]bilirubin and its uptake by rat liver basolateral plasma membrane vesicles. <i>Biochemical Journal</i> , 1996, 316, 999-1004.	3.7	29
26	Calcium micro-depositions in jugular truncular venous malformations revealed by Synchrotron-based XRF imaging. <i>Scientific Reports</i> , 2015, 4, 6540.	3.3	28
27	Correspondence. <i>Pediatric Research</i> , 2003, 54, 926-926.	2.3	22
28	Interaction of magnetic nanoparticles with U87MG cells studied by synchrotron radiation X-ray fluorescence techniques. <i>X-Ray Spectrometry</i> , 2013, 42, 316-320.	1.4	22
29	Differential protein folding and chemical changes in lung tissues exposed to asbestos or particulates. <i>Scientific Reports</i> , 2015, 5, 12129.	3.3	22
30	Iron-related toxicity of single-walled carbon nanotubes and crocidolite fibres in human mesothelial cells investigated by Synchrotron XRF microscopy. <i>Scientific Reports</i> , 2018, 8, 706.	3.3	22
31	Blue photobiomodulation <scp>LED</scp> therapy impacts <scp>SARSâ€CoV</scp> â€2 by limiting its replication in Vero cells. <i>Journal of Biophotonics</i> , 2021, 14, e202000496.	2.3	22
32	Uptake of [3H]bilirubin in freshly isolated rat hepatocytes: role of free bilirubin concentration. <i>FEBS Letters</i> , 1999, 463, 143-145.	2.8	21
33	Preparation of an Antibody Recognizing both Human and Rodent MRP1. <i>Biochemical and Biophysical Research Communications</i> , 2001, 288, 1064-1068.	2.1	21
34	Upregulation in the expression of multidrug resistance protein Mrp1 mRNA and protein by increased bilirubin production in rat. <i>Biochemical and Biophysical Research Communications</i> , 2003, 311, 891-896.	2.1	20
35	Pitfalls and promises in FTIR spectromicroscopy analyses to monitor iron-mediated DNA damage in sperm. <i>Reproductive Toxicology</i> , 2016, 61, 39-46.	2.9	20
36	Soft X-ray Microscopy Techniques for Medical and Biological Imaging at TwinMicâ€Elettra. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7216.	2.5	20

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37	Renin Angiotensin System, COVID-19 and Male Fertility: Any Risk for Conceiving?. <i>Microorganisms</i> , 2020, 8, 1492.	3.6	20
38	Novel Kinetic Insights into Treatment of Unconjugated Hyperbilirubinemia: Phototherapy and Orlistat Treatment in Gunn Rats. <i>Pediatric Research</i> , 2006, 59, 506-512.	2.3	18
39	Detection of PLGA-based nanoparticles at a single-cell level by synchrotron radiation FTIR spectromicroscopy and correlation with X-ray fluorescence microscopy. <i>International Journal of Nanomedicine</i> , 2014, 9, 2791.	6.7	18
40	Gene expression of ABC proteins in hepatocellular carcinoma, perineoplastic tissue, and liver diseases. <i>Molecular Medicine</i> , 2002, 8, 318-25.	4.4	18
41	ATP-dependent transport of unconjugated bilirubin by rat liver canalicular plasma membrane vesicles. <i>Biochemical Journal</i> , 1998, 331, 99-103.	3.7	17
42	Light element distribution in fresh and frozen-thawed human ovarian tissues: a preliminary study. <i>Reproductive BioMedicine Online</i> , 2018, 37, 153-162.	2.4	16
43	Synchrotron X-ray microscopy reveals early calcium and iron interaction with crocidolite fibers in the lung of exposed mice. <i>Toxicology Letters</i> , 2016, 241, 111-120.	0.8	15
44	Is <i>FURIN</i> gene expression in salivary glands related to SARS-CoV-2 infectivity through saliva?. <i>Journal of Clinical Pathology</i> , 2021, 74, 209-211.	2.0	15
45	Detection of MRP1 mRNA in Human Tumors and Tumor Cell Lines by in Situ RT-PCR. <i>Biochemical and Biophysical Research Communications</i> , 2000, 275, 466-471.	2.1	14
46	X-ray fluorescence elemental mapping and microscopy to follow hepatic disposition of a Gd-based magnetic resonance imaging contrast agent. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2011, 38, 834-845.	1.9	12
47	Nano-imaging of environmental dust in human lung tissue by soft and hard X-ray fluorescence microscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 147, 71-78.	2.9	12
48	Gadolinium tissue deposition in the periodontal ligament of mice with reduced renal function exposed to Gd-based contrast agents. <i>Toxicology Letters</i> , 2019, 301, 157-167.	0.8	12
49	Hard and soft X-ray imaging to resolve human ovarian cortical structures. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1322-1329.	2.4	12
50	Pitfalls in preparation of 3H-unconjugated bilirubin by biosynthetic labeling from precursor 3H-5-aminolevulinic acid in the dog. <i>Translational Research</i> , 2001, 138, 313-321.	2.3	11
51	Focused X-Ray Histological Analyses to Reveal Asbestos Fibers and Bodies in Lungs and Pleura of Asbestos-Exposed Subjects. <i>Microscopy and Microanalysis</i> , 2016, 22, 1062-1071.	0.4	11
52	FTIR Spectroscopy to Reveal Lipid and Protein Changes Induced on Sperm by Capacitation: Bases for an Improvement of Sample Selection in ART. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8659.	4.1	11
53	XRF analyses reveal that capacitation procedures produce changes in magnesium and copper levels in human sperm. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 459, 120-124.	1.4	10
54	Investigation of genomic DNA methylation by ultraviolet resonant Raman spectroscopy. <i>Journal of Biophotonics</i> , 2020, 13, e202000150.	2.3	10

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55	Megapixel scanning transmission soft X-ray microscopy imaging coupled with compressive sensing X-ray fluorescence for fast investigation of large biological tissues. <i>Analyst, The</i> , 2021, 146, 5836-5842.	3.5	10
56	SARS-CoV-2 Short-Time Infection Produces Relevant Cytopathic Effects in Vero E6 Cell Line. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9020.	2.6	9
57	Life science applications and research potential of the TwinMic spectromicroscopy station at ELETTRA. <i>Journal of Physics: Conference Series</i> , 2013, 463, 012004.	0.4	8
58	Photobiomodulation therapy for male infertility. <i>Lasers in Medical Science</i> , 2020, 35, 1671-1680.	2.1	8
59	Podocyte Expression of Membrane Transporters Involved in Puromycin Aminonucleoside-Mediated Injury. <i>PLoS ONE</i> , 2013, 8, e66159.	2.5	7
60	High-resolution scanning transmission soft X-ray microscopy for rapid probing of nanoparticle distribution and sufferance features in exposed cells. <i>X-Ray Spectrometry</i> , 2015, 44, 163-168.	1.4	6
61	Combined use of AFM and soft X-ray microscopy to reveal fibresâ€™ internalization in mesothelial cells. <i>Analyst, The</i> , 2017, 142, 1982-1992.	3.5	6
62	Synchrotron radiation soft X-ray microscopy and low energy X-ray fluorescence to reveal elemental changes in spermatozoa treated with photobiomodulation therapy. <i>Analytical Methods</i> , 2020, 12, 3691-3696.	2.7	6
63	Fecal Calprotectin: Diagnostic Accuracy of the Immunochromatographic CalFast Assay in a Pediatric Population. <i>Journal of Clinical Laboratory Analysis</i> , 2016, 30, 500-505.	2.1	5
64	Morphological and chemical information in fresh and vitrified ovarian tissues revealed by X-ray Microscopy and Fluorescence: observational study. <i>Journal of Instrumentation</i> , 2018, 13, C06003-C06003.	1.2	5
65	Ferruginous bodies resolved by synchrotron XRF in a dog with peritoneal malignant mesothelioma. <i>Environmental Science and Pollution Research</i> , 2018, 25, 35707-35714.	5.3	5
66	XRF mapping and TEM analysis of coated and uncoated silica nanoparticles in A549 cells and human monocytes. <i>X-Ray Spectrometry</i> , 2019, 48, 94-101.	1.4	5
67	UV Resonance Raman explores protein structural modification upon fibrillation and ligand interaction. <i>Biophysical Journal</i> , 2021, 120, 4575-4589.	0.5	5
68	Effects of Chelidonium majus extracts in human hepatocytes in vitro. <i>Toxicology Letters</i> , 2006, 164, S210-S211.	0.8	4
69	Metal Accumulation in the Renal Cortex of a Pediatric Patient With Sickle Cell Disease. <i>Journal of Pediatric Hematology/Oncology</i> , 2015, 37, 311-314.	0.6	4
70	Histopathological data of iron and calcium in the mouse lung after asbestos exposure. <i>Data in Brief</i> , 2016, 6, 769-775.	1.0	4
71	Potential Advantages of Using Synchrotron X-ray Based Techniques in Pediatric Research. <i>Current Medicinal Chemistry</i> , 2013, 20, 2157-2175.	2.4	4
72	Tracing exogenous Gd and its effects in single Chang cells. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 619, 348-352.	1.6	3

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73	Influence of urine volume on the assessment of intestinal permeability in affected children by multiple sugar probes. <i>Clinical Chemistry and Laboratory Medicine</i> , 2014, 52, 227-35.	2.3	3
74	Iron-related toxicity effects of single-walled carbon nanotubes in human placental cells (<sc>BeWo</sc>) investigated by X-ray fluorescence microscopy. <i>X-Ray Spectrometry</i> , 2019, 48, 413-421.	1.4	3
75	Scanning Probe Microscopies: Imaging and Biomechanics in Reproductive Medicine Research. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3823.	4.1	3
76	Improving a Rapid Alignment Method of Tomography Projections by a Parallel Approach. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7598.	2.5	3
77	Avoiding Ethanol Presence in DNA Samples Enhances the Performance of Ultraviolet Resonance Raman Spectroscopy Analysis. <i>Applied Spectroscopy</i> , 2017, 71, 152-155.	2.2	2
78	Synchrotron soft X-ray microscopy and XRF to image Single-walled carbon nanotubes in epithelial cells. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020, 465, 79-84.	1.4	2
79	Fluorescent RT in situ PCR detection of MRP1 mRNA in human HCV infected liver. <i>European Journal of Histochemistry</i> , 2009, 45, 105.	1.5	1
80	Recent achievements in reproductive medicine applications at the TwinMic soft spectromicroscopy beamline of Elettra. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 936, 67-69.	1.6	1
81	MRP1 at apical (maternal-facing) pole of human trophoblasts accounts for the placental transfer of unconjugated bilirubin (UCB) from the fetal to the maternal circulation. <i>Journal of Hepatology</i> , 2001, 34, 186.	3.7	1
82	Puzzling Results from BAP1 Germline Mutations Analysis in a Group of Asbestos-Exposed Patients in a High-risk Area of Northeast Italy. <i>Anticancer Research</i> , 2017, 37, 3073-3083.	1.1	1
83	Strategies and Perspectives for UV Resonance Raman Applicability in Clinical Analyses of Human Sperm RNA. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13134.	4.1	1
84	Binding of tritiated bilirubin to albumin and plasma membrane vesicles: a reply. <i>Biochemical Journal</i> , 1997, 321, 261-261.	3.7	0
85	Regulation of hepatic Mrp1 and Mrp2 expression by hemolysis. <i>Journal of Hepatology</i> , 2001, 34, 185.	3.7	0
86	MRP genes in the hepatic transport of a new MRI contrast agent. <i>Journal of Hepatology</i> , 2002, 36, 141.	3.7	0
87	Feasibility evaluation of the application of Silicon Drift Detectors in studies of drug delivery in liver. , 2006, , .		0
88	Effects of Chelidonium majus extracts in human hepatocytes in vitro. <i>Planta Medica</i> , 2006, 72, .	1.3	0
89	Human Neocortex Layer Features Evaluated by PIXE, STIM, and STXM Techniques. <i>Biological Trace Element Research</i> , 2022, , .	3.5	0