

# Luisa Diomede

## List of Publications by Year in descending order

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101  
papers

3,879  
citations

136885

32  
h-index

133188

59  
g-index

109  
all docs

109  
docs citations

109  
times ranked

5091  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antitumour drugs targeting tau R3 VQIVYK and Cys322 prevent seeding of endogenous tau aggregates by exogenous seeds. <i>FEBS Journal</i> , 2022, 289, 1929-1949.	2.2	7
2	Cu(II) Binding Increases the Soluble Toxicity of Amyloidogenic Light Chains. <i>International Journal of Molecular Sciences</i> , 2022, 23, 950.	1.8	1
3	Toxicological impact of titanium dioxide nanoparticles and food-grade titanium dioxide (E171) on human and environmental health. <i>Environmental Science: Nano</i> , 2022, 9, 1199-1211.	2.2	17
4	Food-Grade Titanium Dioxide Induces Toxicity in the Nematode <i>Caenorhabditis elegans</i> and Acute Hepatic and Pulmonary Responses in Mice. <i>Nanomaterials</i> , 2022, 12, 1669.	1.9	6
5	Nonphosphorylated tau slows down A $\beta$ 1-42 aggregation, binds to A $\beta$ 1-42 oligomers, and reduces A $\beta$ 1-42 toxicity. <i>Journal of Biological Chemistry</i> , 2021, 296, 100664.	1.6	3
6	Can Antiviral Activity of Licorice Help Fight COVID-19 Infection?. <i>Biomolecules</i> , 2021, 11, 855.	1.8	23
7	<i>C. elegans</i> detects toxicity of traumatic brain injury generated tau. <i>Neurobiology of Disease</i> , 2021, 153, 105330.	2.1	5
8	Machine learning analyses of antibody somatic mutations predict immunoglobulin light chain toxicity. <i>Nature Communications</i> , 2021, 12, 3532.	5.8	23
9	Doxycycline Inhibition of a Pseudotyped Virus Transduction Does Not Translate to Inhibition of SARS-CoV-2 Infectivity. <i>Viruses</i> , 2021, 13, 1745.	1.5	2
10	A novel hotspot of gelsolin instability triggers an alternative mechanism of amyloid aggregation. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 6355-6365.	1.9	2
11	Inherent Biophysical Properties Modulate the Toxicity of Soluble Amyloidogenic Light Chains. <i>Journal of Molecular Biology</i> , 2020, 432, 845-860.	2.0	26
12	Efficacy of Cholesterol Nose-to-Brain Delivery for Brain Targeting in Huntington's Disease. <i>ACS Chemical Neuroscience</i> , 2020, 11, 367-372.	1.7	22
13	An across-species comparison of the sensitivity of different organisms to Pb-based perovskites used in solar cells. <i>Science of the Total Environment</i> , 2020, 708, 135134.	3.9	18
14	<i>Caenorhabditis elegans</i> Models to Investigate the Mechanisms Underlying Tau Toxicity in Tauopathies. <i>Brain Sciences</i> , 2020, 10, 838.	1.1	11
15	An alternative non-proteolytic mechanism may underlie AGel amyloidosis. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2019, 26, 150-151.	1.4	1
16	Modulating the cardiotoxic behaviour of immunoglobulin light chain dimers through point mutations. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2019, 26, 105-106.	1.4	4
17	Repeated administration of the food additive E171 to mice results in accumulation in intestine and liver and promotes an inflammatory status. <i>Nanotoxicology</i> , 2019, 13, 1087-1101.	1.6	56
18	Methacycline displays a strong efficacy in reducing toxicity in a SCA3 <i>Caenorhabditis elegans</i> model. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 279-290.	1.1	3

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19	Nanobody interaction unveils structure, dynamics and proteotoxicity of the Finnish-type amyloidogenic gelsolin variant. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 648-660.	1.8	21
20	Identification of amino acid residues critical for the B cell growth-promoting activity of HIV-1 matrix protein p17 variants. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 13-24.	1.1	20
21	Gelsolin pathogenic Gly167Arg mutation promotes domain-swap dimerization of the protein. <i>Human Molecular Genetics</i> , 2018, 27, 53-65.	1.4	16
22	Use of quasi-SMILES to model biological activity of "micelle" polymer samples. <i>Structural Chemistry</i> , 2018, 29, 1213-1223.	1.0	10
23	V363I and V363A mutated tau affect aggregation and neuronal dysfunction differently in <i>C. elegans</i> . <i>Neurobiology of Disease</i> , 2018, 117, 226-234.	2.1	11
24	Realistic Evaluation of Titanium Dioxide Nanoparticle Exposure in Chewing Gum. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6860-6868.	2.4	32
25	Safety and Toxicology of Magnolol and Honokiol. <i>Planta Medica</i> , 2018, 84, 1151-1164.	0.7	151
26	Cardiac Light Chain Amyloidosis: The Role of Metal Ions in Oxidative Stress and Mitochondrial Damage. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 567-582.	2.5	38
27	Inhibition of A $\beta$ Amyloid Growth and Toxicity by Silybins: The Crucial Role of Stereochemistry. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1767-1778.	1.7	72
28	A simple headspace gas chromatography/mass spectrometry method for the quantitative determination of the release of the antioxidants butylated hydroxyanisole and butylated hydroxytoluene from chewing gum. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 859-864.	0.7	16
29	Humanin Specifically Interacts with Amyloid- $\beta$ Oligomers and Counteracts Their in vivo Toxicity. <i>Journal of Alzheimer's Disease</i> , 2017, 57, 857-871.	1.2	23
30	HIV-1 matrix protein p17 misfolding forms toxic amyloidogenic assemblies that induce neurocognitive disorders. <i>Scientific Reports</i> , 2017, 7, 10313.	1.6	28
31	The Anti-Prion Antibody 15B3 Detects Toxic Amyloid- $\beta$ Oligomers. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 1485-1497.	1.2	12
32	Shape engineered TiO <sub>2</sub> nanoparticles in <i>Caenorhabditis elegans</i> : a Raman imaging based approach to assist tissue-specific toxicological studies. <i>RSC Advances</i> , 2016, 6, 70501-70509.	1.7	14
33	L16...Identifying a therapeutic regimen for cholesterol delivery to huntington's disease brain. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, A95.2-A95.	0.9	0
34	SPIRE, a modular pipeline for eQTL analysis of RNA-Seq data, reveals a regulatory hotspot controlling miRNA expression in <i>C. elegans</i> . <i>Molecular BioSystems</i> , 2016, 12, 3447-3458.	2.9	4
35	The new $\beta$ amyloid-derived peptide A $\beta$ 1-6A2V-TAT(D) prevents A $\beta$ oligomer formation and protects transgenic <i>C. elegans</i> from A $\beta$ toxicity. <i>Neurobiology of Disease</i> , 2016, 88, 75-84.	2.1	17
36	Clusterin Binds to A $\beta$ 1-42 Oligomers with High Affinity and Interferes with Peptide Aggregation by Inhibiting Primary and Secondary Nucleation. <i>Journal of Biological Chemistry</i> , 2016, 291, 6958-6966.	1.6	99

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37	Multigram Synthesis and in Vivo Efficacy Studies of a Novel Multitarget Anti-Alzheimer's™s Compound. <i>Molecules</i> , 2015, 20, 4492-4515.	1.7	17
38	Investigating heart-specific toxicity of amyloidogenic immunoglobulin light chains: A lesson from <i>C. elegans</i> . <i>Worm</i> , 2014, 3, e965590.	1.0	9
39	Soil quality in the Lomellina area using in vitro models and ecotoxicological assays. <i>Environmental Research</i> , 2014, 133, 220-231.	3.7	16
40	Expression of A2V-mutated A $\beta$ 2 in <i>Caenorhabditis elegans</i> results in oligomer formation and toxicity. <i>Neurobiology of Disease</i> , 2014, 62, 521-532.	2.1	30
41	A <i>Caenorhabditis elegans</i> -based assay recognizes immunoglobulin light chains causing heart amyloidosis. <i>Blood</i> , 2014, 123, 3543-3552.	0.6	122
42	P3-068: CLUSTERIN REDUCES THE FORMATION OF BIOLOGICAL RELEVANT TOXIC SOLUBLE ABETA1-42 OLIGOMERS. , 2014, 10, P651-P652.		0
43	The nematode <i>Caenorhabditis elegans</i> as an innovative tool for studying foodborne metabolites and emerging pathogens in the food industry. <i>Nutrafoods</i> , 2013, 12, 43-46.	0.5	0
44	Novel approaches for studying amyloidogenic peptides/proteins. <i>Current Opinion in Pharmacology</i> , 2013, 13, 797-801.	1.7	15
45	Oleuropein Aglycone Protects Transgenic <i>C. elegans</i> Strains Expressing A $\beta$ 242 by Reducing Plaque Load and Motor Deficit. <i>PLoS ONE</i> , 2013, 8, e58893.	1.1	116
46	An N-terminal Fragment of the Prion Protein Binds to Amyloid- $\beta$ 2 Oligomers and Inhibits Their Neurotoxicity in Vivo. <i>Journal of Biological Chemistry</i> , 2013, 288, 7857-7866.	1.6	162
47	Specific Recognition of Biologically Active Amyloid- $\beta$ 2 Oligomers by a New Surface Plasmon Resonance-based Immunoassay and an in Vivo Assay in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 27796-27805.	1.6	52
48	Good gene, bad gene: New APP variant may be both. <i>Progress in Neurobiology</i> , 2012, 99, 281-292.	2.8	31
49	The effect of chewing gum on gastric fluid volume and pH in healthy subjects. <i>Nutrafoods</i> , 2012, 11, 25-27.	0.5	4
50	Colloidal stability of polymeric nanoparticles in biological fluids. <i>Journal of Nanoparticle Research</i> , 2012, 14, 920.	0.8	126
51	<i>C. elegans</i> Expressing Human $\beta$ 2-Microglobulin: A Novel Model for Studying the Relationship between the Molecular Assembly and the Toxic Phenotype. <i>PLoS ONE</i> , 2012, 7, e52314.	1.1	21
52	Neuropathologic and Biochemical Changes During Disease Progression in Liver X Receptor $\beta$ 2 <sup>+/+</sup> Mice, A Model of Adult Neuron Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2010, 69, 593-605.	0.9	38
53	Polyunsaturated Fatty Acids Protect Against Prion-Mediated Synapse Damage In Vitro. <i>Neurotoxicity Research</i> , 2010, 17, 203-214.	1.3	13
54	Tetracycline and its analogues protect <i>Caenorhabditis elegans</i> from $\beta$ 2 amyloid-induced toxicity by targeting oligomers. <i>Neurobiology of Disease</i> , 2010, 40, 424-431.	2.1	102

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55	Glimepiride Reduces the Expression of PrPC, Prevents PrPSc Formation and Protects against Prion Mediated Neurotoxicity. <i>PLoS ONE</i> , 2009, 4, e8221.	1.1	24
56	Docosahexaenoic and eicosapentaenoic acids increase neuronal death in response to HuPrP82 <sup>146</sup> and A $\beta$ 1 <sup>42</sup> . <i>Neuropharmacology</i> , 2008, 54, 934-943.	2.0	22
57	Docosahexaenoic and eicosapentaenoic acids increase prion formation in neuronal cells. <i>BMC Biology</i> , 2008, 6, 39.	1.7	13
58	The Efficacy of Tetracyclines in Peripheral and Intracerebral Prion Infection. <i>PLoS ONE</i> , 2008, 3, e1888.	1.1	94
59	Peptidomimetic inhibitors of farnesyltransferase with high in vitro activity and significant cellular potency. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 6192-6196.	1.0	20
60	Antitumor Activity of the Retinoid-Related Molecules (E)-3-(4 <sup>2</sup> -Hydroxy-3 <sup>2</sup> -adamantylbiphenyl-4-yl)acrylic Acid (ST1926) and 6-[3-(1-Adamantyl)-4-hydroxyphenyl]-2-naphthalene Carboxylic Acid (CD437) in F9 Teratocarcinoma: Role of Retinoic Acid Receptor $\beta$ and Retinoid-Independent Pathways. <i>Molecular Pharmacology</i> , 2006, 70, 909-924.	1.0	39
61	Squalestatin Cures Prion-infected Neurons and Protects Against Prion Neurotoxicity. <i>Journal of Biological Chemistry</i> , 2004, 279, 14983-14990.	1.6	124
62	ST1926, a novel and orally active retinoid-related molecule inducing apoptosis in myeloid leukemia cells: modulation of intracellular calcium homeostasis. <i>Blood</i> , 2004, 103, 194-207.	0.6	67
63	Structural Properties of Gerstmann-StrÅussler-Scheinker Disease Amyloid Protein. <i>Journal of Biological Chemistry</i> , 2003, 278, 48146-48153.	1.6	75
64	Enhancement of ATRA-induced cell differentiation by inhibition of calcium accumulation into the endoplasmic reticulum: cross-talk between RAR $\beta$ and calcium-dependent signaling. <i>Blood</i> , 2003, 101, 3220-3228.	0.6	37
65	Synthetic Miniprion PrP106. <i>Journal of Biological Chemistry</i> , 2002, 277, 31327-31334.	1.6	32
66	1,5-Benzodiazepine tricyclic derivatives exerting anti-inflammatory effects in mice by inhibiting interleukin-6 and prostaglandinE2 production. <i>Pharmacological Research</i> , 2001, 43, 445-451.	3.1	43
67	In Vivo Anti-Inflammatory Effect of Statins Is Mediated by Nonsterol Mevalonate Products. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 1327-1332.	1.1	203
68	Inhibition of Monocyte Chemotactic Protein-1 Synthesis by Statins. <i>Laboratory Investigation</i> , 2000, 80, 1095-1100.	1.7	282
69	L-asparagine depletion and L-asparaginase activity in children with acute lymphoblastic leukemia receiving i.m. or i.v. Erwinia C. or E. coli L-asparaginase as first exposure. <i>Annals of Oncology</i> , 2000, 11, 189-193.	0.6	90
70	INHIBITION OF HMG-CoA REDUCTASE ACTIVITY BY HYPERCHOLESTEROLAEMIA REDUCES LEUKOCYTE RECRUITMENT AND MCP-1 PRODUCTION. <i>Cytokine</i> , 2000, 12, 1100-1103.	1.4	11
71	Hypericum perforatum L. extract does not inhibit 5-HT transporter in rat brain cortex. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1999, 360, 262-269.	1.4	73
72	Oleamide-mediated sleep induction does not depend on perturbation of membrane homeoviscosity. <i>FEBS Letters</i> , 1999, 463, 281-284.	1.3	10

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73	Alteration of SREBP Activation in Liver of Trisomy 21 Fetuses. <i>Biochemical and Biophysical Research Communications</i> , 1999, 260, 499-503.	1.0	12
74	Kupffer cell depletion partially prevents hepatic heme oxygenase 1 messenger RNA accumulation in systemic inflammation in mice: Role of interleukin 1?. <i>Hepatology</i> , 1998, 27, 703-710.	3.6	56
75	Rapid solid-phase extraction method for automated gas chromatographic-mass spectrometric determination of nicotine in plasma. <i>Biomedical Applications</i> , 1998, 707, 312-316.	1.7	18
76	A Neurotoxic and Gliotrophic Fragment of the Prion Protein Increases Plasma Membrane Microviscosity. <i>Neurobiology of Disease</i> , 1997, 4, 47-57.	2.1	60
77	Activation effects of a prion protein fragment [PrP-(106-126)] on human leucocytes. <i>Biochemical Journal</i> , 1996, 320, 563-570.	1.7	49
78	Potentials of liposomes in diagnosis and treatment of pulmonary metastases: an experimental study in the rat. <i>European Journal of Cardio-thoracic Surgery</i> , 1996, 10, 574-578.	0.6	0
79	Phosphatidic Acid and Lysophosphatidic Acid Induce Haptotactic Migration of Human Monocytes. <i>Journal of Biological Chemistry</i> , 1995, 270, 25549-25556.	1.6	90
80	The induction of apoptosis is a common feature of the cytotoxic action of ether-linked glycerophospholipids in human leukemic cells. <i>International Journal of Cancer</i> , 1994, 57, 645-649.	2.3	43
81	In vivo anti-tumor activity of synthetic ether lipids is not enhanced by pharmacological modulation of tumor lipid composition. <i>International Journal of Cancer</i> , 1994, 59, 580-581.	2.3	1
82	The effect of culture medium composition on ether lipid cytotoxic activity. <i>Lipids</i> , 1993, 28, 189-192.	0.7	14
83	Molecular Characteristics of a Protease-Resistant, Amyloidogenic and Neurotoxic Peptide Homologous to Residues 106-126 of the Prion Protein. <i>Biochemical and Biophysical Research Communications</i> , 1993, 194, 1380-1386.	1.0	212
84	Induction of apoptosis in human leukemic cells by the ether lipid 1-octadecyl-2-methyl-RAC-glycero-3-phosphocholine. A possible basis for its selective action. <i>International Journal of Cancer</i> , 1993, 53, 124-130.	2.3	112
85	Fetal lung maturity evaluation with fluorescence polarization of the amniotic fluid. <i>Journal of Perinatal Medicine</i> , 1993, 21, 349-354.	0.6	2
86	A novel pharmacological approach for paraquat poisoning in rat and A549 cell line using ambroxol, a lung surfactant synthesis inducer. <i>Food and Chemical Toxicology</i> , 1992, 30, 789-794.	1.8	26
87	Modulation of ATPase activity by cholesterol and synthetic ether lipids in leukemic cells. <i>Biochemical Pharmacology</i> , 1992, 43, 803-807.	2.0	19
88	Synthetic ether lipids fluidizing action and cell membrane lipid composition: A commentary note. <i>International Journal of Cancer</i> , 1992, 52, 162-163.	2.3	3
89	Effect of tyrosine on the potentiation by aspartame and phenylalanine of metrazol-induced convulsions in rats. <i>Food and Chemical Toxicology</i> , 1991, 29, 855-857.	1.8	4
90	Interspecies and interstrain studies on the increased susceptibility to metrazol-induced convulsions in animals given aspartame. <i>Food and Chemical Toxicology</i> , 1991, 29, 101-106.	1.8	17

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91	Increased ether lipid cytotoxicity by reducing membrane cholesterol content. International Journal of Cancer, 1991, 49, 409-413.	2.3	25
92	Protection against acute paraquat toxicity by ambroxol. Cytotechnology, 1991, 5, 25-27.	0.7	2
93	Fluorescence Polarization Changes with Gestational Age in Amniotic Fluid of Rabbit and Guinea Pig. Experimental Lung Research, 1990, 16, 507-519.	0.5	0
94	Serum amino acid analysis with pre-column derivatization: comparison of the o-phthaldialdehyde and N,N-diethyl-2,4-dinitro-5-fluoroaniline methods. Biomedical Applications, 1990, 534, 23-35.	1.7	32
95	Role of cell cholesterol in modulating antineoplastic ether lipid uptake, membrane effects and cytotoxicity. International Journal of Cancer, 1990, 46, 341-346.	2.3	55
96	Determination of argininosuccinate lyase and arginase activities with an amino acid analyzer. Analytical Biochemistry, 1990, 191, 384-389.	1.1	15
97	Plasma and brain kinetics of large neutral amino acids and of striatum monoamines in rats given aspartame. Food and Chemical Toxicology, 1990, 28, 317-321.	1.8	13
98	Liver DNA alkylation after a single carcinogenic dose of dimethylnitrosamine to newborn and adult CFW Swiss mice. Chemico-Biological Interactions, 1988, 68, 259-271.	1.7	23
99	A rapid electrochemical assay of lecithin in amniotic fluid using a fluoride ion-sensitive electrode. Clinica Chimica Acta, 1988, 172, 161-169.	0.5	5
100	Aspartame and the rat brain monoaminergic system. Toxicology Letters, 1988, 44, 331-339.	0.4	18
101	Letters to the Editors. Journal of Perinatal Medicine, 1988, 16, 257-262.	0.6	2