David Lembo

List of Publications by Year
in descending order

95 papers	3,972 citations	156536 32 h-index	169272 56 g-index
96 all docs	96 docs citations	96 times ranked	6291 citing authors

#	Article	IF	Citations
1	The Peptide A-3302-B Isolated from a Marine Bacterium Micromonospora sp. Inhibits HSV-2 Infection by Preventing the Viral Egress from Host Cells. International Journal of Molecular Sciences, 2022, 23, 947.	1.8	10
2	Human milk glycosaminoglycans inhibit cytomegalovirus and respiratory syncytial virus infectivity by impairing cell binding. Pediatric Research, 2022, , .	1.1	5
3	27-Hydroxycholesterol inhibits rhinovirus replication in vitro and on human nasal and bronchial histocultures without selecting viral resistant variants. Antiviral Research, 2022, 204, 105368.	1.9	5
4	Human Colostrum and Derived Extracellular Vesicles Prevent Infection by Human Rotavirus and Respiratory Syncytial Virus in Vitro. Journal of Human Lactation, 2021, 37, 122-134.	0.8	11
5	Combined in silico and in vitro approaches identified the antipsychotic drug lurasidone and the antiviral drug elbasvir as SARS-CoV2 and HCoV-OC43 inhibitors. Antiviral Research, 2021, 189, 105055.	1.9	26
6	Trend of 25-hydroxycholesterol and 27-hydroxycholesterol plasma levels in patients affected by active chronic hepatitis B virus infection and inactive carriers. Journal of Steroid Biochemistry and Molecular Biology, 2021, 210, 105854.	1.2	7
7	Analysis of Thermal Sensitivity of Human Cytomegalovirus Assayed in the Conventional Conditions of a Human Milk Bank. Frontiers in Pediatrics, 2021, 9, 640638.	0.9	5
8	Modulation of cell proteome by 25-hydroxycholesterol and 27-hydroxycholesterol: A link between cholesterol metabolism and antiviral defense. Free Radical Biology and Medicine, 2020, 149, 30-36.	1.3	16
9	Anti-Zika virus and anti-Usutu virus activity of human milk and its components. PLoS Neglected Tropical Diseases, 2020, 14, e0008713.	1.3	15
10	The cholesterol metabolite 27-hydroxycholesterol inhibits SARS-CoV-2 and is markedly decreased in COVID-19 patients. Redox Biology, 2020, 36, 101682.	3.9	73
11	Detection of SARS-CoV-2 in Milk From COVID-19 Positive Mothers and Follow-Up of Their Infants. Frontiers in Pediatrics, 2020, 8, 597699.	0.9	37
12	Acyclovir-loaded sulfobutyl ether-Î²-cyclodextrin decorated chitosan nanodroplets for the local treatment of HSV-2 infections. International Journal of Pharmaceutics, 2020, 587, 119676.	2.6	30
13	Extracellular Vesicles in Human Preterm Colostrum Inhibit Infection by Human Cytomegalovirus In Vitro. Microorganisms, 2020, 8, 1087.	1.6	15
14	Punica granatum Leaf Ethanolic Extract and Ellagic Acid as Inhibitors of Zika Virus Infection. Planta Medica, 2020, 86, 1363-1374.	0.7	28
15	Antiviral Activity of a Arisaema Tortuosum Leaf Extract and Some of its Constituents against Herpes Simplex Virus Type 2. Planta Medica, 2020, 86, 267-275.	0.7	27
16	Tetra-(p-tolyl)antimony(III)-Containing Heteropolytungstates, [{(p-tolyl)Sb^{III}}₄(A-Î±-XW₉O₃₄)₂]^{nâ^'} (X = P, As, or Ge): Synthesis, Structure, and Study of Antibacterial and Antitumor Activity. Inorganic Chemistry, 2020, 59, 2978-2987.	1.9	15
17	Antiviral oxysterols are present in human milk at diverse stages of lactation. Journal of Steroid Biochemistry and Molecular Biology, 2019, 193, 105424.	1.2	21
18	Colostrum from cows immunized with a veterinary vaccine against bovine rotavirus displays enhanced in vitro anti-human rotavirus activity. Journal of Dairy Science, 2019, 102, 4857-4869.	1.4	16

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19	Processing of Donor Human Milk: Update and Recommendations From the European Milk Bank Association (EMBA). Frontiers in Pediatrics, 2019, 7, 49.	0.9	83
20	Effect of different non-conventional extraction methods on the antibacterial and antiviral activity of fucoidans extracted from Nizamuddinia zanardinii. International Journal of Biological Macromolecules, 2019, 124, 131-137.	3.6	107
21	Anti-zika virus activity of polyoxometalates. Antiviral Research, 2019, 163, 29-33.	1.9	21
22	Inhibition of <scp>HSVâ€2</scp> infection by pure compounds from <scp>Thymus capitatus</scp> extract <scp>in vitro</scp>. Phytotherapy Research, 2018, 32, 1555-1563.	2.8	27
23	Cyclodextrin-based nanosponges as vehicles for antiviral drugs: challenges and perspectives. Nanomedicine, 2018, 13, 477-480.	1.7	24
24	Broad-spectrum non-toxic antiviral nanoparticles with a virucidal inhibition mechanism. Nature Materials, 2018, 17, 195-203.	13.3	331
25	The traditional use of Vachellia nilotica for sexually transmitted diseases is substantiated by the antiviral activity of its bark extract against sexually transmitted viruses. Journal of Ethnopharmacology, 2018, 213, 403-408.	2.0	20
26	Nanomedicine formulations for the delivery of antiviral drugs: a promising solution for the treatment of viral infections. Expert Opinion on Drug Delivery, 2018, 15, 93-114.	2.4	127
27	High Temperatureâ€"Short Time Pasteurization Has a Lower Impact on the Antiviral Properties of Human Milk Than Holder Pasteurization. Frontiers in Pediatrics, 2018, 6, 304.	0.9	18
28	Novel broad spectrum virucidal molecules against enveloped viruses. PLoS ONE, 2018, 13, e0208333.	1.1	20
29	Antiâ€Cytomegalovirus Activity in Human Milk and Colostrum From Mothers of Preterm Infants. Journal of Pediatric Gastroenterology and Nutrition, 2018, 67, 654-659.	0.9	15
30	25-Hydroxycholesterol and 27-hydroxycholesterol inhibit human rotavirus infection by sequestering viral particles into late endosomes. Redox Biology, 2018, 19, 318-330.	3.9	62
31	Acyclovir-Loaded Chitosan Nanospheres from Nano-Emulsion Templating for the Topical Treatment of Herpesviruses Infections. Pharmaceutics, 2018, 10, 46.	2.0	65
32	Rhodanine derivatives as potent anti-HIV and anti-HSV microbicides. PLoS ONE, 2018, 13, e0198478.	1.1	25
33	In vitro screening for antiviral activity of Turkish plants revealing methanolic extract of Rindera lanata var. lanata active against human rotavirus. BMC Complementary and Alternative Medicine, 2017, 17, 74.	3.7	16
34	M48U1 and Tenofovir combination synergistically inhibits HIV infection in activated PBMCs and human cervicovaginal histocultures. Scientific Reports, 2017, 7, 41018.	1.6	9
35	Inhibition of herpes simplex-1 virus replication by 25-hydroxycholesterol and 27-hydroxycholesterol. Redox Biology, 2017, 12, 522-527.	3.9	47
36	In vitro anti-herpes simplex virus-2 activity of Salvia desoleana Atzei & V. Picci essential oil. PLoS ONE, 2017, 12, e0172322.	1.1	24

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37	Heparan Sulfate Proteoglycans: A Multifaceted Target for Novel Approaches in Antiviral Drug Discovery. Journal of Bioengineering & Biomedical Science, 2016, 06, .	0.2	6
38	Additives for vaccine storage to improve thermal stability of adenoviruses from hours to months. Nature Communications, 2016, 7, 13520.	5.8	86
39	Oxysterols: An emerging class of broad spectrum antiviral effectors. Molecular Aspects of Medicine, 2016, 49, 23-30.	2.7	81
40	Ficus religiosa L. bark extracts inhibit infection by herpes simplex virus type 2 in vitro. Archives of Virology, 2016, 161, 3509-3514.	0.9	33
41	Inhibition of Human Metapneumovirus Binding to Heparan Sulfate Blocks Infection in Human Lung Cells and Airway Tissues. Journal of Virology, 2016, 90, 9237-9250.	1.5	47
42	Linear biocompatible glyco-polyamidoamines as dual action mode virus infection inhibitors with potential as broad-spectrum microbicides for sexually transmitted diseases. Scientific Reports, 2016, 6, 33393.	1.6	10
43	The AGMA1 poly(amidoamine) inhibits the infectivity of herpes simplex virus in cell lines, in human cervicovaginal histocultures, and in vaginally infected mice. Biomaterials, 2016, 85, 40-53.	5.7	30
44	Hexagonal-shaped chondroitin sulfate self-assemblies have exalted anti-HSV-2 activity. Carbohydrate Polymers, 2016, 136, 113-120.	5.1	28
45	Identification of Equine Lactadherin-derived Peptides That Inhibit Rotavirus Infection via Integrin Receptor Competition. Journal of Biological Chemistry, 2015, 290, 12403-12414.	1.6	18
46	The L1 protein of human papilloma virus 16 expressed by a fowlpox virus recombinant can assemble into virus-like particles in mammalian cell lines but elicits a non-neutralising humoral response. Antiviral Research, 2015, 116, 67-75.	1.9	4
47	Thermosensitive and Mucoadhesive Pluronic-Hydroxypropylmethylcellulose Hydrogel Containing the Mini-CD4 M48U1 Is a Promising Efficient Barrier against HIV Diffusion through Macaque Cervicovaginal Mucus. Antimicrobial Agents and Chemotherapy, 2015, 59, 2215-2222.	1.4	35
48	In vitro evaluation of the antiviral properties of Shilajit and investigation of its mechanisms of action. Journal of Ethnopharmacology, 2015, 166, 129-134.	2.0	28
49	Ficus religiosa L. bark extracts inhibit human rhinovirus and respiratory syncytial virus infection in vitro. Journal of Ethnopharmacology, 2015, 176, 252-257.	2.0	20
50	The Agmatine-Containing Poly(Amidoamine) Polymer AGMA1 Binds Cell Surface Heparan Sulfates and Prevents Attachment of Mucosal Human Papillomaviruses. Antimicrobial Agents and Chemotherapy, 2015, 59, 5250-5259.	1.4	20
51	Inactivation of high-risk human papillomaviruses by Holder pasteurization: implications for donor human milk banking. Journal of Perinatal Medicine, 2014, 42, 1-8.	0.6	28
52	Auto-associative heparin nanoassemblies: A biomimetic platform against the heparan sulfate-dependent viruses HSV-1, HSV-2, HPV-16 and RSV. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 275-282.	2.0	37
53	Highly Sulfated K5 Escherichia coli Polysaccharide Derivatives Inhibit Respiratory Syncytial Virus Infectivity in Cell Lines and Human Tracheal-Bronchial Histocultures. Antimicrobial Agents and Chemotherapy, 2014, 58, 4782-4794.	1.4	35
54	Agmatine-Containing Poly(amidoamine)s as a Novel Class of Antiviral Macromolecules: Structural Properties and In Vitro Evaluation of Infectivity Inhibition. Antimicrobial Agents and Chemotherapy, 2014, 58, 6315-6319.	1.4	23

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55	Ethyl 1,8-Naphthyridone-3-carboxylates Downregulate Human Papillomavirus-16 E6 and E7 Oncogene Expression. Journal of Medicinal Chemistry, 2014, 57, 5649-5663.	2.9	9
56	Inhibition of pathogenic non-enveloped viruses by 25-hydroxycholesterol and 27-hydroxycholesterol. Scientific Reports, 2014, 4, 7487.	1.6	95
57	In vitro anti-Herpes simplex virus activity of crude extract of the roots of Nauclea latifolia Smith (Rubiaceae). BMC Complementary and Alternative Medicine, 2013, 13, 266.	3.7	41
58	Micro- and nanobubbles: A versatile non-viral platform for gene delivery. International Journal of Pharmaceutics, 2013, 456, 437-445.	2.6	76
59	Encapsulation of Acyclovir in new carboxylated cyclodextrin-based nanosponges improves the agent's antiviral efficacy. International Journal of Pharmaceutics, 2013, 443, 262-272.	2.6	144
60	Filoviruses Utilize Glycosaminoglycans for Their Attachment to Target Cells. Journal of Virology, 2013, 87, 3295-3304.	1.5	61
61	Peptide-Derivatized SB105-A10 Dendrimer Inhibits the Infectivity of R5 and X4 HIV-1 Strains in Primary PBMCs and Cervicovaginal Histocultures. PLoS ONE, 2013, 8, e76482.	1.1	32
62	Inhibition of Human Respiratory Syncytial Virus Infectivity by a Dendrimeric Heparan Sulfate-Binding Peptide. Antimicrobial Agents and Chemotherapy, 2012, 56, 5278-5288.	1.4	47
63	New chitosan nanobubbles for ultrasound-mediated gene delivery: preparation and in vitro characterization. International Journal of Nanomedicine, 2012, 7, 3309.	3.3	86
64	Enhanced Antiviral Activity of Acyclovir Loaded into Nanoparticles. Methods in Enzymology, 2012, 509, 1-19.	0.4	28
65	Putative mechanisms of antitumor activity of cyano-substituted heteroaryles in HeLa cells. Investigational New Drugs, 2012, 30, 450-467.	1.2	3
66	The in vitro characterization of dextran-based nanobubbles as possible DNA transfection agents. Soft Matter, 2011, 7, 10590.	1.2	17
67	Early inhibitors of human cytomegalovirus: State-of-art and therapeutic perspectives. , 2011, 131, 309-329.		35
68	Effects of cytokines on long control region transcriptional activity in high-risk cutaneous human papillomavirus types 5 and 8. Archives of Virology, 2010, 155, 583-587.	0.9	1
69	Sulfated Derivatives of Escherichia coli K5 Capsular Polysaccharide Are Potent Inhibitors of Human Cytomegalovirus. Antimicrobial Agents and Chemotherapy, 2010, 54, 4561-4567.	1.4	19
70	Identification of a Dendrimeric Heparan Sulfate-Binding Peptide That Inhibits Infectivity of Genital Types of Human Papillomaviruses. Antimicrobial Agents and Chemotherapy, 2010, 54, 4290-4299.	1.4	56
71	Nanoparticulate Delivery Systems for Antiviral Drugs. Antiviral Chemistry and Chemotherapy, 2010, 21, 53-70.	0.3	154
72	Sulfated K5 Escherichia coli polysaccharide derivatives: A novel class of candidate antiviral microbicides. , 2009, 123, 310-322.		82

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73	Tinkering with a viral ribonucleotide reductase. Trends in Biochemical Sciences, 2009, 34, 25-32.	3.7	75
74	Enhanced antiviral activity of Acyclovir loaded into Î²-cyclodextrin-poly(4-acryloylmorpholine) conjugate nanoparticles. Journal of Controlled Release, 2009, 137, 116-122.	4.8	78
75	Preparation and in vitro evaluation of the antiviral activity of the Acyclovir complex of a Î²-cyclodextrin/poly(amidoamine) copolymer. Journal of Controlled Release, 2008, 126, 17-25.	4.8	42
76	TGF-Î21 and IL-4 downregulate human papillomavirus-16 oncogene expression but have differential effects on the malignant phenotype of cervical carcinoma cells. Virus Research, 2008, 132, 253-256.	1.1	14
77	Sulfated K5 Escherichia coli Polysaccharide Derivatives as Wide-Range Inhibitors of Genital Types of Human Papillomavirus. Antimicrobial Agents and Chemotherapy, 2008, 52, 1374-1381.	1.4	43
78	Inhibition of proinflammatory and innate immune signaling pathways by a cytomegalovirus RIP1-interacting protein. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3094-3099.	3.3	121
79	Effect of high-risk human papillomavirus oncoproteins on p53R2 gene expression after DNA damage. Virus Research, 2006, 122, 189-193.	1.1	11
80	A cellâ€based highâ€throughput assay for screening inhibitors of human papillomavirusâ€16 long control region activity. FASEB Journal, 2006, 20, 148-150.	0.2	15
81	The Ribonucleotide Reductase R1 Homolog of Murine Cytomegalovirus Is Not a Functional Enzyme Subunit but Is Required for Pathogenesis. Journal of Virology, 2004, 78, 4278-4288.	1.5	84
82	The human cytomegalovirus. , 2003, 98, 269-297.		257
83	The anticytomegaloviral activity of raltitrexed is abrogated in quiescent mouse fibroblasts that overexpress thymidylate synthase. Virus Research, 2001, 73, 57-65.	1.1	2
84	The Interferon-Inducible 204 Gene Is Transcriptionally Activated by Mouse Cytomegalovirus and Is Required for Its Replication. Virology, 2001, 286, 249-255.	1.1	25
85	Murine Cytomegalovirus Infection Induces Cellular Folylpolyglutamate Synthetase Activity in Quiescent Cells. Intervirology, 2001, 44, 224-226.	1.2	6
86	The thymidylate synthase inhibitor ZD1694 potently inhibits murine and human cytomegalovirus replication in quiescent fibroblasts. Antiviral Research, 2000, 47, 111-120.	1.9	5
87	Expression of an Altered Ribonucleotide Reductase Activity Associated with the Replication of Murine Cytomegalovirus in Quiescent Fibroblasts. Journal of Virology, 2000, 74, 11557-11565.	1.5	40
88	Murine Cytomegalovirus Stimulates Cellular Thymidylate Synthase Gene Expression in Quiescent Cells and Requires the Enzyme for Replication. Journal of Virology, 2000, 74, 4979-4987.	1.5	45
89	Murine Cytomegalovirus Stimulates Cellular Thymidylate Synthase Gene Expression in Quiescent Cells and Requires the Enzyme for Replication. Journal of Virology, 2000, 74, 4979-4987.	1.5	3
90	Overexpression of cellular dihydrofolate reductase abolishes the anticytomegaloviral activity of methotrexate. Archives of Virology, 1999, 144, 1397-1403.	0.9	4

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91	Human Cytomegalovirus Stimulates Cellular Dihydrofolate Reductase Activity in Quiescent Cells. Intervirology, 1999, 42, 30-36.	1.2	23
92	The Ifi 200 genes: An emerging family of IFN-inducible genes. Biochimie, 1998, 80, 721-728.	1.3	93
93	Host genotype controls the ability of the ISGF3 complex to activate transcription of IFN-inducible genes. Journal of Cellular Biochemistry, 1996, 60, 83-94.	1.2	9
94	Mouse Macrophages Carrying Both Subunits of the Human Interferon-Î³ (IFN-Î³) Receptor Respond to Human IFN-Î³ but Do Not Acquire Full Protection against Viral Cytopathic Effect. Journal of Biological Chemistry, 1996, 271, 32659-32666.	1.6	10
95	Regulation of the 202 gene expression by interferons in L929 cells. Biochemical and Biophysical Research Communications, 1992, 187, 628-634.	1.0	7