

Anu Puri

List of Publications by Year in descending order

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57
papers

3,526
citations

147566

31
h-index

149479

56
g-index

58
all docs

58
docs citations

58
times ranked

5067
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipid-Based Nanoparticles as Pharmaceutical Drug Carriers: From Concepts to Clinic. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2009, 26, 523-580.	1.2	761
2	The Structure of Human β -Defensin-2 Shows Evidence of Higher Order Oligomerization. <i>Journal of Biological Chemistry</i> , 2000, 275, 32911-32918.	1.6	295
3	Glycosphingolipids Promote Entry of a Broad Range of Human Immunodeficiency Virus Type 1 Isolates into Cell Lines Expressing CD4, CXCR4, and/or CCR5. <i>Journal of Virology</i> , 2000, 74, 6377-6385.	1.5	156
4	Light-sensitive lipid-based nanoparticles for drug delivery: design principles and future considerations for biological applications. <i>Molecular Membrane Biology</i> , 2010, 27, 364-381.	2.0	140
5	Stimuli-responsive In situ gelling system for nose-to-brain drug delivery. <i>Journal of Controlled Release</i> , 2020, 327, 235-265.	4.8	137
6	Recent strategies and advances in the fabrication of nano lipid carriers and their application towards brain targeting. <i>Journal of Controlled Release</i> , 2020, 321, 372-415.	4.8	132
7	HIV-1 gp41 Six-Helix Bundle Formation Occurs Rapidly after the Engagement of gp120 by CXCR4 in the HIV-1 Env-Mediated Fusion Process. <i>Biochemistry</i> , 2001, 40, 12231-12236.	1.2	130
8	Modulation of entry of enveloped viruses by cholesterol and sphingolipids (Review). <i>Molecular Membrane Biology</i> , 2003, 20, 243-254.	2.0	97
9	HER2-Specific Affibody-Conjugated Thermosensitive Liposomes (Affisomes) for Improved Delivery of Anticancer Agents. <i>Journal of Liposome Research</i> , 2008, 18, 293-307.	1.5	95
10	Ceramide, a target for antiretroviral therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 15452-15457.	3.3	94
11	Site Specific Conjugation of Fluoroprobes to the Remodeled Fc N-Glycans of Monoclonal Antibodies Using Mutant Glycosyltransferases: Application for Cell Surface Antigen Detection. <i>Bioconjugate Chemistry</i> , 2009, 20, 1228-1236.	1.8	93
12	High-fidelity detection and sorting of nanoscale vesicles in viral disease and cancer. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1597603.	5.5	83
13	Hyperthermia-triggered intracellular delivery of anticancer agent to HER2+ cells by HER2-specific affibody (ZHER2-GS-Cys)-conjugated thermosensitive liposomes (HER2+ affisomes). <i>Journal of Controlled Release</i> , 2011, 153, 187-194.	4.8	75
14	Phototriggerable Liposomes: Current Research and Future Perspectives. <i>Pharmaceutics</i> , 2014, 6, 1-25.	2.0	72
15	Fluorescent lipid probes in the study of viral membrane fusion. <i>Chemistry and Physics of Lipids</i> , 2002, 116, 39-55.	1.5	67
16	Recent advances in nanoparticles mediated photothermal therapy induced tumor regression. <i>International Journal of Pharmaceutics</i> , 2021, 606, 120848.	2.6	67
17	Polymeric Lipid Assemblies as Novel Theranostic Tools. <i>Accounts of Chemical Research</i> , 2011, 44, 1071-1079.	7.6	65
18	A novel soluble mimic of the glycolipid, globotriaosyl ceramide inhibits HIV infection. <i>Aids</i> , 2006, 20, 333-343.	1.0	60

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19	Conformational Changes and Fusion Activity of Vesicular Stomatitis Virus Glycoprotein: \hat{A} [125I]Iodonaphthyl Azide Photolabeling Studies in Biological Membranes. <i>Biochemistry</i> , 1997, 36, 8890-8896.	1.2	57
20	An inhibitor of glycosphingolipid metabolism blocks HIV-1 infection of primary T-cells. <i>Aids</i> , 2004, 18, 849-858.	1.0	50
21	A Dissection of Steps Leading to Viral Envelope Protein-Mediated Membrane Fusion. <i>Annals of the New York Academy of Sciences</i> , 1991, 635, 285-296.	1.8	49
22	Bolaamphiphiles as carriers for siRNA delivery: From chemical syntheses to practical applications. <i>Journal of Controlled Release</i> , 2015, 213, 142-151.	4.8	39
23	Human Erythrocyte Glycolipids Promote HIV-1 Envelope Glycoprotein-Mediated Fusion of CD4+Cells. <i>Biochemical and Biophysical Research Communications</i> , 1998, 242, 219-225.	1.0	38
24	Nanostructured Lipid Carriers as Potential Drug Delivery Systems for Skin Disorders. <i>Current Pharmaceutical Design</i> , 2020, 26, 4569-4579.	0.9	38
25	Elevated Expression of GM3 in Receptor-Bearing Targets Confers Resistance to Human Immunodeficiency Virus Type 1 Fusion. <i>Journal of Virology</i> , 2004, 78, 7360-7368.	1.5	37
26	Sphingolipids: Modulators of HIV-1 Infection and Pathogenesis. <i>Bioscience Reports</i> , 2005, 25, 329-343.	1.1	36
27	Specific targeting to B cells by lipid-based nanoparticles conjugated with a novel CD22-ScFv. <i>Experimental and Molecular Pathology</i> , 2010, 88, 238-249.	0.9	36
28	Glycoside analogs of \hat{I}^2 -galactosylceramide, a novel class of small molecule antiviral agents that inhibit HIV-1 entry. <i>Antiviral Research</i> , 2008, 80, 54-61.	1.9	35
29	Single cell fusion events induced by influenza hemagglutinin: Studies with rapid-flow, quantitative fluorescence microscopy. <i>Experimental Cell Research</i> , 1991, 195, 137-144.	1.2	34
30	Role of Glycosphingolipids in HIV-1 Entry: Requirement of Globotriosylceramide (Gb3) in CD4/CXCR4-dependent Fusion. <i>Bioscience Reports</i> , 1999, 19, 317-325.	1.1	34
31	Mechanism of Membrane Permeation Induced by Synthetic \hat{I}^2 -Hairpin Peptides. <i>Biophysical Journal</i> , 2013, 105, 2093-2103.	0.2	34
32	Structurally Altered Peptides Reveal an Important Role for N-terminal Heptad Repeat Binding and Stability in the Inhibitory Action of HIV-1 Peptide DP178. <i>Journal of Biological Chemistry</i> , 2006, 281, 9005-9010.	1.6	31
33	The Morphology of Self-Assembled Lipid-Based Nanoparticles Affects Their Uptake by Cancer Cells. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 1852-1863.	0.5	30
34	Restricted lateral mobility of plasma membrane CD4 impairs HIV-1 envelope glycoprotein mediated fusion. <i>Molecular Membrane Biology</i> , 2008, 25, 83-94.	2.0	28
35	\hat{P} glycoprotein \hat{A} overexpressing multidrug \hat{A} resistant cells are resistant to infection by enveloped viruses that enter via the plasma membrane 1. <i>FASEB Journal</i> , 2000, 14, 511-515.	0.2	25
36	Photo activation of HPPH encapsulated in \hat{A} \hat{A} "Pocket \hat{A} \hat{A} liposomes triggers multiple drug release and tumor cell killing in mouse breast \hat{A} \hat{A} cancer xenografts. <i>International Journal of Nanomedicine</i> , 2015, 10, 125.	3.3	22

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37	Varying effects of temperature, Ca ²⁺ and cytochalasin on fusion activity mediated by human immunodeficiency virus type 1 and type 2 glycoproteins. <i>FEBS Letters</i> , 2000, 474, 246-251.	1.3	21
38	Fusion of HIV-1 envelope-expressing cells to human glomerular endothelial cells through an CXCR4-mediated mechanism. <i>Pediatric Nephrology</i> , 2005, 20, 1401-1409.	0.9	21
39	Applying graphene oxide nano-film over a polycarbonate nanoporous membrane to monitor <i>E. coli</i> by infrared spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 170, 14-18.	2.0	21
40	Graphene Oxide-Polycarbonate Track-Etched Nanosieve Platform for Sensitive Detection of Human Immunodeficiency Virus Envelope Glycoprotein. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32621-32634.	4.0	21
41	Multiple Site-Specific <i>in Vitro</i> Labeling of Single-Chain Antibody. <i>Bioconjugate Chemistry</i> , 2009, 20, 1383-1389.	1.8	19
42	Complete inactivation of Venezuelan equine encephalitis virus by 1,5-iodonaphthylazide. <i>Biochemical and Biophysical Research Communications</i> , 2007, 358, 392-398.	1.0	18
43	Pre-clinical compartmental pharmacokinetic modeling of 2-[1-hexyloxyethyl]-2-devinyl pyropheophorbide-a (HPPH) as a photosensitizer in rat plasma by validated HPLC method. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1056-1063.	1.6	18
44	Stability of paclitaxel-loaded solid lipid nanoparticles in the presence of 2-hydroxypropyl- β -cyclodextrin. <i>Archives of Pharmacal Research</i> , 2016, 39, 785-793.	2.7	17
45	Design and biological activity of novel stealth polymeric lipid nanoparticles for enhanced delivery of hydrophobic photodynamic therapy drugs. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2295-2305.	1.7	15
46	Material Properties of Matrix Lipids Determine the Conformation and Intermolecular Reactivity of Diacylenic Phosphatidylcholine in the Lipid Bilayer. <i>Langmuir</i> , 2011, 27, 15120-15128.	1.6	14
47	Quantitative Analysis of Phospholipids Using Nanostructured Laser Desorption Ionization Targets. <i>Lipids</i> , 2011, 46, 469-477.	0.7	12
48	Low-visibility light-intensity laser-triggered release of entrapped calcein from 1,2-bis (tricoso-10,12-dinoyl)-sn-glycero-3-phosphocholine liposomes is mediated through a type I photoactivation pathway. <i>International Journal of Nanomedicine</i> , 2013, 8, 2575.	3.3	11
49	Role of stealth lipids in nanomedicine-based drug carriers. <i>Chemistry and Physics of Lipids</i> , 2021, 235, 105036.	1.5	10
50	Influenza Virus Upregulates CXCR4 Expression in CD4 ⁺ Cells. <i>AIDS Research and Human Retroviruses</i> , 2000, 16, 19-25.	0.5	9
51	[21] Kinetics of fusion of enveloped viruses with cells. <i>Methods in Enzymology</i> , 1993, 220, 277-287.	0.4	8
52	Stimuli-Sensitive Liposomes. <i>Behavior Research Methods</i> , 2015, 22, 1-41.	2.3	8
53	Functionalized non-viral cationic vectors for effective siRNA induced cancer therapy. <i>DNA and RNA Nanotechnology</i> , 2017, 4, 1-20.	0.7	3
54	Photoactivation of sulfonated polyplexes enables localized gene silencing by DsiRNA in breast cancer cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 26, 102176.	1.7	3

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55	Nanoparticles: Crossing barriers and membrane interactions. <i>Molecular Membrane Biology</i> , 2010, 27, 213-214.	2.0	2
56	Oxime Ether Lipids as Transfection Agents: Assembly and Complexation with siRNA. <i>Methods in Molecular Biology</i> , 2017, 1632, 241-253.	0.4	1
57	Emerging Trends in Nanomedicine for Topical Delivery: Current Status and Translational Approaches. <i>Current Pharmaceutical Design</i> , 2020, 26, 4523-4523.	0.9	0