Istvan Toth

List of Publications by Year in descending order

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465 papers	14,237 citations	24978 57 h-index	38300 95 g-index
495 all docs	495 docs citations	495 times ranked	13812 citing authors

#	Article	IF	Citations
1	Nanoparticle-induced unfolding of fibrinogen promotes Mac-1 receptor activation and inflammation. Nature Nanotechnology, 2011, 6, 39-44.	15.6	781
2	Peptide-based synthetic vaccines. Chemical Science, 2016, 7, 842-854.	3.7	450
3	Modern Subunit Vaccines: Development, Components, and Research Opportunities. ChemMedChem, 2013, 8, 360-376.	1.6	347
4	Recent advances in self-assembled peptides: Implications for targeted drug delivery and vaccine engineering. Advanced Drug Delivery Reviews, 2017, 110-111, 169-187.	6.6	281
5	Glycosylation, an effective synthetic strategy to improve the bioavailability of therapeutic peptides. Chemical Science, 2016, 7, 2492-2500.	3.7	191
6	A Global Review on Short Peptides: Frontiers and Perspectives. Molecules, 2021, 26, 430.	1.7	190
7	Recent progress in adjuvant discovery for peptide-based subunit vaccines. Human Vaccines and Immunotherapeutics, 2014, 10, 778-796.	1.4	183
8	Molecular Interaction of Poly(acrylic acid) Gold Nanoparticles with Human Fibrinogen. ACS Nano, 2012, 6, 8962-8969.	7.3	175
9	Recent advances in peptide-based subunit nanovaccines. Nanomedicine, 2014, 9, 2657-2669.	1.7	172
10	Cellular Uptake of Densely Packed Polymer Coatings on Gold Nanoparticles. ACS Nano, 2010, 4, 403-413.	7.3	171
11	Production of Cytolethal Distending Toxins by Pathogenic Escherichia coli Strains Isolated from Human and Animal Sources: Establishment of the Existence of a New cdt Variant (Type IV). Journal of Clinical Microbiology, 2003, 41, 4285-4291.	1.8	156
12	Dendrimer delivery of an anti-VEGF oligonucleotide into the eye: a long-term study into inhibition of laser-induced CNV, distribution, uptake and toxicity. Gene Therapy, 2005, 12, 1544-1550.	2.3	153
13	Polyacrylate Dendrimer Nanoparticles: A Selfâ€Adjuvanting Vaccine Delivery System. Angewandte Chemie - International Edition, 2010, 49, 5742-5745.	7.2	149
14	Chemical Methods for Peptide and Protein Production. Molecules, 2013, 18, 4373-4388.	1.7	145
15	Peptides As Therapeutics with Enhanced Bioactivity. Current Medicinal Chemistry, 2012, 19, 4451-4461.	1.2	143
16	DNA transfection and transfected cell viability using amphipathic asymmetric dendrimers. International Journal of Pharmaceutics, 2000, 208, 41-48.	2.6	142
17	Lipidic peptides, I. Synthesis, resolution and structural elucidation of lipidic amino acids and their homo- and hetero-oligomers. Liebigs Annalen Der Chemie, 1990, 1990, 1175-1183.	0.8	140
18	Self-Adjuvanting Lipopeptide Vaccines. Current Medicinal Chemistry, 2008, 15, 506-516.	1.2	135

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19	A Novel Chemical Approach to Drug Delivery: Lipidic Amino Acid Conjugates. Journal of Drug Targeting, 1994, 2, 217-239.	2.1	123
20	Plasma protein binding of positively and negatively charged polymer-coated gold nanoparticles elicits different biological responses. Nanotoxicology, 2013, 7, 314-322.	1.6	122
21	Oral delivery of nanoparticle-based vaccines. Expert Review of Vaccines, 2014, 13, 1361-1376.	2.0	120
22	Nanovaccines and their mode of action. Methods, 2013, 60, 226-231.	1.9	117
23	Peptide-Based Subunit Nanovaccines. Current Drug Delivery, 2011, 8, 282-289.	0.8	112
24	Self-Adjuvanting Polymerâ€“Peptide Conjugates As Therapeutic Vaccine Candidates against Cervical Cancer. Biomacromolecules, 2013, 14, 2798-2806.	2.6	112
25	Improved resistance to serum oxidation in Gilbert's syndrome: A mechanism for cardiovascular protection. Atherosclerosis, 2008, 199, 390-396.	0.4	108
26	Oral uptake and translocation of a polylysine dendrimer with a lipid surface. Journal of Controlled Release, 2000, 65, 253-259.	4.8	107
27	A New Principle for Tight Junction Modulation Based on Occludin Peptides. Molecular Pharmacology, 2003, 64, 1530-1540.	1.0	105
28	Lipid, Sugar and Liposaccharide Based Delivery Systems. Current Medicinal Chemistry, 2001, 8, 1123-1136.	1.2	103
29	Elevated plasma levels of human urotensin-II immunoreactivity in congestive heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H1576-H1581.	1.5	100
30	Strategies for intranasal delivery of vaccines. Drug Delivery and Translational Research, 2013, 3, 100-109.	3.0	96
31	Liposome-based delivery system for vaccine candidates: constructing an effective formulation. Nanomedicine, 2012, 7, 1877-1893.	1.7	92
32	Peptide Conjugation via CuAAC â€˜Clickâ€™ Chemistry. Molecules, 2013, 18, 13148-13174.	1.7	90
33	Inhibition of in vitro VEGF expression and choroidal neovascularization by synthetic dendrimer peptide mediated delivery of a sense oligonucleotide. Experimental Eye Research, 2004, 79, 525-535.	1.2	89
34	A combined adjuvant and carrier system for enhancing synthetic peptides immunogenicity utilising lipidic amino acids. Tetrahedron Letters, 1993, 34, 3925-3928.	0.7	87
35	Poly(amino acids) as a potent self-adjuvanting delivery system for peptide-based nanovaccines. Science Advances, 2020, 6, eaax2285.	4.7	85
36	Liposomes as Nanovaccine Delivery Systems. Current Topics in Medicinal Chemistry, 2014, 14, 1194-1208.	1.0	84

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37	Cellular uptake of self-assembled cationic peptideâ€“DNA complexes: Multifunctional role of the enhancer chloroquine. Journal of Controlled Release, 2009, 135, 159-165.	4.8	81
38	Permeability studies of alkylamides and caffeic acid conjugates from echinacea using a Caco-2 cell monolayer model. Journal of Clinical Pharmacy and Therapeutics, 2004, 29, 7-13.	0.7	79
39	Immunostimulation by Synthetic Lipopeptide-Based Vaccine Candidates: Structure-Activity Relationships. Frontiers in Immunology, 2013, 4, 318.	2.2	78
40	Polyglutamic acid-trimethyl chitosan-based intranasal peptide nano-vaccine induces potent immune responses against group A streptococcus. Acta Biomaterialia, 2018, 80, 278-287.	4.1	75
41	Self-adjuvanting polyacrylic nanoparticulate delivery system for group A streptococcus (GAS) vaccine. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 168-173.	1.7	73
42	Synthesis and Biological Evaluation of an Orally Active Glycosylated Endomorphin-1. Journal of Medicinal Chemistry, 2012, 55, 5859-5867.	2.9	72
43	Cell-penetrating Peptides: Efficient Vectors for Vaccine Delivery. Current Drug Delivery, 2019, 16, 430-443.	0.8	71
44	Synthesis, Structure Elucidation, in Vitro Biological Activity, Toxicity, and Caco-2 Cell Permeability of Lipophilic Analogues of Î±-Conotoxin MII. Journal of Medicinal Chemistry, 2003, 46, 1266-1272.	2.9	69
45	Transduction of Porcine Enteropathogenic Escherichia coli with a Derivative of a Shiga Toxin 2-EncodingBacteriophage in a Porcine Ligated Ileal LoopSystem. Applied and Environmental Microbiology, 2003, 69, 7242-7247.	1.4	68
46	Potential of Lipid Core Peptide Technology as a Novel Self-Adjuvanting Vaccine Delivery System for Multiple Different Synthetic Peptide Immunogens. Infection and Immunity, 2003, 71, 2373-2383.	1.0	68
47	Synthesis ofC-Terminal Glycopeptides from Resin-Bound Glycosyl Azides via a Modified Staudinger Reaction. Journal of Organic Chemistry, 2000, 65, 5249-5252.	1.7	67
48	Structureâ€“Activity Relationship of a Series of Synthetic Lipopeptide Self-Adjuvanting Group A Streptococcal Vaccine Candidates. Journal of Medicinal Chemistry, 2008, 51, 167-172.	2.9	65
49	A Lipid Core Peptide Construct Containing a Conserved Region Determinant of the Group A Streptococcal M Protein Elicits Heterologous Opsonic Antibodies. Infection and Immunity, 2002, 70, 2734-2738.	1.0	64
50	Polymers for subunit vaccine delivery. European Polymer Journal, 2019, 114, 397-410.	2.6	64
51	Versatile Peptide Dendrimers for Nucleic Acid Delivery. Journal of Pharmaceutical Sciences, 2005, 94, 446-457.	1.6	62
52	Particulate Systems as Adjuvants and Carriers for Peptide and Protein Antigens. Current Drug Delivery, 2006, 3, 379-388.	0.8	62
53	Toll-like receptor agonists: a patent review (2011 â€“ 2013). Expert Opinion on Therapeutic Patents, 2014, 24, 453-470.	2.4	62
54	Liposome-based intranasal delivery of lipopeptide vaccine candidates against group A streptococcus. Acta Biomaterialia, 2016, 41, 161-168.	4.1	62

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55	Intranasal delivery of nanoparticle-based vaccines. Therapeutic Delivery, 2017, 8, 151-167.	1.2	62
56	Multilayer engineered nanoliposomes as a novel tool for oral delivery of lipopeptide-based vaccines against group A Streptococcus. Nanomedicine, 2016, 11, 1223-1236.	1.7	60
57	Mucosal Immunisation: Adjuvants and Delivery Systems. Current Drug Delivery, 2004, 1, 385-396.	0.8	59
58	Polyelectrolyte-Based Platforms for the Delivery of Peptides and Proteins. ACS Biomaterials Science and Engineering, 2019, 5, 4937-4950.	2.6	59
59	The application of self-assembled nanostructures in peptide-based subunit vaccine development. European Polymer Journal, 2017, 93, 670-681.	2.6	57
60	An Experimental Group A Streptococcus Vaccine That Reduces Pharyngitis and Tonsillitis in a Nonhuman Primate Model. MBio, 2019, 10, .	1.8	57
61	Interaction of Densely Polymer-Coated Gold Nanoparticles with Epithelial Caco-2 Monolayers. Biomacromolecules, 2011, 12, 1339-1348.	2.6	56
62	Polyacrylate-Based Delivery System for Self-adjuvanting Anticancer Peptide Vaccine. Journal of Medicinal Chemistry, 2015, 58, 888-896.	2.9	56
63	Lipidic conjugates of luteinizing hormone releasing hormone (LHRH)+ and thyrotropin releasing hormone (TRH)+ that release and protect the native hormones in homogenates of human intestinal epithelial (Caco-2) cells. International Journal of Pharmaceutics, 1994, 105, 241-247.	2.6	53
64	Lipid Core Peptide System for Gene, Drug, and Vaccine Delivery. Australian Journal of Chemistry, 2009, 62, 956.	0.5	53
65	Syntheses of Polycationic Dendrimers on Lipophilic Peptide Core for Complexation and Transport of Oligonucleotides. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 2635-2637.	1.0	52
66	Synthesis and in vitro evaluation of a library of modified endomorphin 1 peptides. Bioorganic and Medicinal Chemistry, 2008, 16, 6286-6296.	1.4	52
67	Advances in Peptide-based Human Papillomavirus Therapeutic Vaccines. Current Topics in Medicinal Chemistry, 2012, 12, 1581-1592.	1.0	52
68	Differing Efficacies of Lead Group A Streptococcal Vaccine Candidates and Full-Length M Protein in Cutaneous and Invasive Disease Models. MBio, 2016, 7, .	1.8	51
69	Recent Advances in the Development of Peptide Vaccines and Their Delivery Systems Against Group A Streptococcus. Vaccines, 2019, 7, 58.	2.1	50
70	Design of bioavailable derivatives of 12-(3-adamantan-1-yl-ureido)dodecanoic acid, a potent inhibitor of the soluble epoxide hydrolase. Bioorganic and Medicinal Chemistry, 2007, 15, 312-323.	1.4	49
71	Double adjuvanting strategy for peptide-based vaccines: trimethyl chitosan nanoparticles for lipopeptide delivery. Nanomedicine, 2016, 11, 3223-3235.	1.7	49
72	Synthesis and physicochemical properties of lipophilic polyamide dendrimers. Pharmaceutical Research, 1998, 15, 776-782.	1.7	48

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73	Intranasal Administration Is an Effective Mucosal Vaccine Delivery Route for Selfâ€Adjuvanting Lipid Core Peptides Targeting the Group A Streptococcal M Protein. Journal of Infectious Diseases, 2006, 194, 316-324.	1.9	48
74	Modern lipidâ€, carbohydrateâ€, and peptideâ€based delivery systems for peptide, vaccine, and gene products. Medicinal Research Reviews, 2011, 31, 520-547.	5.0	47
75	Chemical Conjugation Strategies for the Development of Protein-Based Subunit Nanovaccines. Vaccines, 2021, 9, 563.	2.1	47
76	Immunological Evaluation of Lipopeptide Group A Streptococcus (GAS) Vaccine: Structure-Activity Relationship. PLoS ONE, 2012, 7, e30146.	1.1	46
77	Cellular transport pathways of polymer coated gold nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 8-11.	1.7	46
78	Site-Specific Incorporation of Three Toll-Like Receptor 2 Targeting Adjuvants into Semisynthetic, Molecularly Defined Nanoparticles: Application to Group A Streptococcal Vaccines. Bioconjugate Chemistry, 2014, 25, 965-978.	1.8	46
79	Encapsulation of lipopeptides within liposomes: Effect of number of lipid chains, chain length and method of liposome preparation. International Journal of Pharmaceutics, 2005, 301, 247-254.	2.6	45
80	Gastrointestinal Absorption of Heparin by Lipidization or Coadministration with Penetration Enhancers. Current Drug Delivery, 2005, 2, 277-287.	0.8	45
81	Toward the Development of Prophylactic and Therapeutic Human Papillomavirus Type-16 Lipopeptide Vaccines. Journal of Medicinal Chemistry, 2007, 50, 4721-4727.	2.9	45
82	Virulence Genes and Molecular Typing of Different Groups of Escherichia coli O157 Strains in Cattle. Applied and Environmental Microbiology, 2009, 75, 6282-6291.	1.4	45
83	Non-invasive mucosal vaccine delivery: advantages, challenges and the future. Expert Opinion on Drug Delivery, 2020, 17, 435-437.	2.4	45
84	Cytolethal Distending Toxin Type I and Type IV Genes Are Framed with Lambdoid Prophage Genes in Extraintestinal Pathogenic Escherichia coli. Infection and Immunity, 2009, 77, 492-500.	1.0	44
85	Polymerâ€“peptide hybrids as a highly immunogenic single-dose nanovaccine. Nanomedicine, 2014, 9, 35-43.	1.7	44
86	Synthesis and in vitro evaluation of lipoamino acid and carbohydrate-modified enkephalins as potential antinociceptive agents. International Journal of Pharmaceutics, 1998, 161, 55-64.	2.6	43
87	Novel Lipoamino Acid- and Liposaccharide-Based System for Peptide Delivery:Â Application for Oral Administration of Tumor-Selective Somatostatin Analogues. Journal of Medicinal Chemistry, 1999, 42, 4010-4013.	2.9	43
88	Lipophilic methotrexate conjugates with antitumor activity. European Journal of Pharmaceutical Sciences, 2000, 10, 237-245.	1.9	43
89	Structureâ€“activity relationship of lipopeptide Group A streptococcus (GAS) vaccine candidates on toll-like receptor 2. Vaccine, 2010, 28, 2243-2248.	1.7	43
90	An Overview of Structural Features of Antibacterial Glycoconjugate Vaccines That Influence Their Immunogenicity. Chemistry - A European Journal, 2017, 23, 4233-4254.	1.7	43

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91	Micellar Aggregation and Membrane Partitioning of Bile Salts, Fatty Acids, Sodium Dodecyl Sulfate, and Sugar-Conjugated Fatty Acids:Â Correlation with Hemolytic Potency and Implications for Drug Delivery. Molecular Pharmaceutics, 2004, 1, 233-245.	2.3	42
92	Cyclic Dipeptides: The Biological and Structural Landscape with Special Focus on the Anti-Cancer Proline-Based Scaffold. Biomolecules, 2021, 11, 1515.	1.8	42
93	Solid phase synthesis of C-terminal carbohydrate modified enkephalins. Bioorganic and Medicinal Chemistry Letters, 1997, 7, 2247-2250.	1.0	41
94	Distribution of a lipidic 2.5 nm diameter dendrimer carrier after oral administration. International Journal of Pharmaceutics, 1999, 183, 51-55.	2.6	41
95	Self-adjuvanting vaccine against group A streptococcus: Application of fibrillized peptide and immunostimulatory lipid as adjuvant. Bioorganic and Medicinal Chemistry, 2014, 22, 6401-6408.	1.4	41
96	Lipid-Core-Peptide System for Self-Adjuvanting Synthetic Vaccine Delivery. Methods in Molecular Biology, 2011, 751, 297-308.	0.4	41
97	Endosome Escape Strategies for Improving the Efficacy of Oligonucleotide Delivery Systems. Current Medicinal Chemistry, 2015, 22, 3326-3346.	1.2	41
98	Berbanes: a new class of selective .alpha.2-adrenoceptor antagonists. Journal of Medicinal Chemistry, 1987, 30, 1355-1359.	2.9	40
99	Enhanced protection against Streptococcus pyogenes infection by intranasal vaccination with a dual antigen component M protein/SfbI lipid core peptide vaccine formulation. Vaccine, 2007, 25, 1789-1797.	1.7	40
100	Structureâ€“Activity Relationship for the Development of a Self-Adjuvanting Mucosally Active Lipopeptide Vaccine against Streptococcus pyogenes. Journal of Medicinal Chemistry, 2012, 55, 8515-8523.	2.9	40
101	Lipid- and sugar-modified endomorphins: novel targets for the treatment of neuropathic pain. Frontiers in Pharmacology, 2013, 4, 155.	1.6	40
102	Lipid, Sugar and Liposaccharide Based Delivery Systems 2. Current Medicinal Chemistry, 2004, 11, 2375-2382.	1.2	39
103	Multifunctional peptide-lipid nanocomplexes for efficient targeted delivery of DNA and siRNA into breast cancer cells. Acta Biomaterialia, 2017, 59, 257-268.	4.1	39
104	Identification and Characterization of T5-Like Bacteriophages Representing Two Novel Subgroups from Food Products. Frontiers in Microbiology, 2018, 9, 202.	1.5	39
105	Technological Advances in Antigen Delivery and Synthetic Peptide Vaccine Developmental Strategies. Mini-Reviews in Medicinal Chemistry, 2001, 1, 429-438.	1.1	38
106	Enhancing the immunogenicity and modulating the fine epitope recognition of antisera to a helical group A streptococcal peptide vaccine candidate from the M protein using lipidâ€core peptide technology. Immunology and Cell Biology, 2002, 80, 178-187.	1.0	38
107	Synthesis of a Highly Pure Lipid Core Peptide Based Self-Adjuvanting Triepitopic Group A Streptococcal Vaccine, and Subsequent Immunological Evaluation. Journal of Medicinal Chemistry, 2006, 49, 6364-6370.	2.9	38
108	Immunization with a Tetraepitopic Lipid Core Peptide Vaccine Construct Induces Broadly Protective Immune Responses against Group A Streptococcus. Journal of Infectious Diseases, 2006, 193, 1666-1676.	1.9	38

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109	Group A Streptococcal vaccine candidate: contribution of epitope to size, antigen presenting cell interaction and immunogenicity. Nanomedicine, 2014, 9, 2613-2624.	1.7	38
110	Peptide-Based Subunit Vaccine against Hookworm Infection. PLoS ONE, 2012, 7, e46870.	1.1	38
111	Levofloxacin and Indolicidin for Combination Antimicrobial Therapy. Current Drug Delivery, 2015, 12, 108-114.	0.8	37
112	Antimicrobial Activity Enhancers: Towards Smart Delivery of Antimicrobial Agents. Antibiotics, 2022, 11, 412.	1.5	37
113	Polycationic lipophilic-core dendrons as penetration enhancers for the oral administration of low molecular weight heparin. Bioorganic and Medicinal Chemistry, 2006, 14, 143-152.	1.4	36
114	Specific Modulation of Airway Epithelial Tight Junctions by Apical Application of an Occludin Peptide. Molecular Pharmacology, 2006, 69, 492-500.	1.0	36
115	Oral Vaccine Delivery â€“ New Strategies and Technologies. Current Drug Delivery, 2009, 6, 347-358.	0.8	36
116	Bile pigment pharmacokinetics and absorption in the rat: therapeutic potential for enteral administration. British Journal of Pharmacology, 2011, 164, 1857-1870.	2.7	36
117	Lipid core peptide/poly(lactic-co-glycolic acid) as a highly potent intranasal vaccine delivery system against Group A streptococcus. International Journal of Pharmaceutics, 2016, 513, 410-420.	2.6	36
118	Lipopeptide-Based Oral Vaccine Against Hookworm Infection. Journal of Infectious Diseases, 2020, 221, 934-942.	1.9	36
119	Lipidation and glycosylation of a T cell antigen receptor (TCR) transmembrane hydrophobic peptide dramatically enhances in vitro and in vivo function. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 879-888.	1.9	35
120	Design of Fully Synthetic, Self-Adjuvanting Vaccine Incorporating the Tumor-Associated Carbohydrate Tn Antigen and Lipoamino Acid-Based Toll-like Receptor 2 Ligand. Journal of Medicinal Chemistry, 2012, 55, 6968-6974.	2.9	35
121	Efficient synthesis of thioglycosides via a Mitsunobu condensation. Tetrahedron Letters, 1999, 40, 8663-8666.	0.7	34
122	Synthesis of a library of polycationic lipid core dendrimers and their evaluation in the delivery of an oligonucleotide with hVEGF inhibition. Bioorganic and Medicinal Chemistry, 2006, 14, 4775-4780.	1.4	34
123	Development of a Liposaccharide-Based Delivery System and Its Application to the Design of Group A Streptococcal Vaccines. Journal of Medicinal Chemistry, 2008, 51, 1447-1452.	2.9	34
124	Multiantigenic peptideâ€“polymer conjugates as therapeutic vaccines against cervical cancer. Bioorganic and Medicinal Chemistry, 2016, 24, 4372-4380.	1.4	34
125	Liposomes as a Vaccine Delivery System. , 2017, , 221-239.		33
126	Carbohydrate-based templates for synthetic vaccines and drug delivery. Tetrahedron, 2001, 57, 8733-8742.	1.0	32

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127	Design, Synthesis, and Evaluation of a Liposaccharide Drug Delivery Agent:Â Application to the Gastrointestinal Absorption of Gentamicin. Journal of Medicinal Chemistry, 2004, 47, 1251-1258.	2.9	32
128	Design of Three-Component Vaccines against Group A Streptococcal Infections: Importance of Spatial Arrangement of Vaccine Components. Journal of Medicinal Chemistry, 2010, 53, 8041-8046.	2.9	32
129	An efficient, chemically-defined semisynthetic lipid-adjuvanted nanoparticulate vaccine development system. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 935-944.	1.7	32
130	Poly(hydrophobic amino acid)-Based Self-Adjuvanting Nanoparticles for Group A Streptococcus Vaccine Delivery. Journal of Medicinal Chemistry, 2021, 64, 2648-2658.	2.9	32
131	Lipids as Activators of Innate Immunity in Peptide Vaccine Delivery. Current Medicinal Chemistry, 2020, 27, 2887-2901.	1.2	32
132	Developments in Vaccine Adjuvants. Methods in Molecular Biology, 2022, 2412, 145-178.	0.4	32
133	Advances in Infectious Disease Vaccine Adjuvants. Vaccines, 2022, 10, 1120.	2.1	32
134	Method for the synthesis of highly pure vaccines using the lipid core peptide system. Journal of Peptide Science, 2006, 12, 800-807.	0.8	31
135	The anti-mutagenic and antioxidant effects of bile pigments in the Ames Salmonella test. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2007, 629, 122-132.	0.9	31
136	A novel synthetic adjuvant enhances dendritic cell function. Immunology, 2009, 128, e582-8.	2.0	31
137	Comparative analysis of the Shiga toxin converting bacteriophage first detected in Shigella sonnei. Infection, Genetics and Evolution, 2016, 37, 150-157.	1.0	31
138	Self-assembly of trimethyl chitosan and poly(anionic amino acid)-peptide antigen conjugate to produce a potent self-adjuvanting nanovaccine delivery system. Bioorganic and Medicinal Chemistry, 2019, 27, 3082-3088.	1.4	30
139	Dendrimers in vaccine delivery: Recent progress and advances. Biomaterials, 2022, 280, 121303.	5.7	30
140	Lipo-Endomorphin-1 Derivatives with Systemic Activity against Neuropathic Pain without Producing Constipation. PLoS ONE, 2012, 7, e41909.	1.1	29
141	Intravitreal injection of lipoamino acid-modified connexin43 mimetic peptide enhances neuroprotection after retinal ischemia. Drug Delivery and Translational Research, 2015, 5, 480-488.	3.0	29
142	Development of Polyelectrolyte Complexes for the Delivery of Peptide-Based Subunit Vaccines against Group A Streptococcus. Nanomaterials, 2020, 10, 823.	1.9	29
143	Lipoamino Acid-Based Adjuvant Carrier System:â€‰Enhanced Immunogenicity of Group A Streptococcal Peptide Epitopes. Journal of Medicinal Chemistry, 2002, 45, 1387-1390.	2.9	28
144	Immunogenicity of Liposomes Containing Lipid Core Peptides and the Adjuvant Quil A. Pharmaceutical Research, 2006, 23, 1473-1481.	1.7	28

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145	Oral absorption and in vivo biodistribution of Î±-conotoxin MII and a lipidic analogue. Biochemical and Biophysical Research Communications, 2007, 361, 97-102.	1.0	28
146	Design, synthesis and biological evaluation of novel lipoamino acid-based glycolipids for oral drug delivery. Bioorganic and Medicinal Chemistry, 2007, 15, 7012-7020.	1.4	28
147	Lipid Peptide Core Nanoparticles as Multivalent Vaccine Candidates against Streptococcus pyogenes. Australian Journal of Chemistry, 2012, 65, 35.	0.5	28
148	Peptide-based vaccines. , 2018, , 327-358.		28
149	Novel Liposaccharide Conjugates for Drug and Peptide Delivery. Journal of Pharmaceutical Sciences, 1998, 87, 25-30.	1.6	27
150	Lipopeptide Nanoparticles: Development of Vaccines against Hookworm Parasite. ChemMedChem, 2015, 10, 1647-1654.	1.6	27
151	The use of a conformational cathepsin D-derived epitope for vaccine development against Schistosoma mansoni. Bioorganic and Medicinal Chemistry, 2015, 23, 1307-1312.	1.4	27
152	Structure-activity relationship of group A streptococcus lipopeptide vaccine candidates in trimethyl chitosan-based self-adjuvanting delivery system. European Journal of Medicinal Chemistry, 2019, 179, 100-108.	2.6	27
153	Carbohydrate Immune Adjuvants in Subunit Vaccines. Pharmaceutics, 2020, 12, 965.	2.0	27
154	Enhancement of drug affinity for cell membranes by conjugation with lipoamino acids. International Journal of Pharmaceutics, 2006, 310, 53-63.	2.6	26
155	Protein transduction by lipidic peptide dendrimers. Journal of Pharmaceutical Sciences, 2006, 95, 1227-1237.	1.6	26
156	Schistosome Vaccine Adjuvants in Preclinical and Clinical Research. Vaccines, 2014, 2, 654-685.	2.1	26
157	Novel platform technology for modular mucosal vaccine that protects against streptococcus. Scientific Reports, 2016, 6, 39274.	1.6	26
158	Recent advances in the development of subunit-based RSV vaccines. Expert Review of Vaccines, 2016, 15, 53-68.	2.0	26
159	The contribution of non-human primate models to the development of human vaccines. Discovery Medicine, 2014, 18, 313-22.	0.5	26
160	Hydride abstraction in fast atom bombardment. Organic Mass Spectrometry, 1988, 23, 697-699.	1.3	25
161	Co-polymerised peptide particles II: Oral uptake of a novel co-polymeric nanoparticulate delivery system for peptides. Journal of Controlled Release, 1996, 42, 65-73.	4.8	25
162	The synthesis and characterisation of a novel dendritic system for gene delivery. Tetrahedron, 2007, 63, 12207-12214.	1.0	25

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163	Structureâ€“activity relationship of lipid core peptide-based Group A Streptococcus vaccine candidates. Bioorganic and Medicinal Chemistry, 2016, 24, 3095-3101.	1.4	25
164	Polyacrylateâ€“Peptide Antigen Conjugate as a Single-Dose Oral Vaccine against Group A Streptococcus. Vaccines, 2020, 8, 23.	2.1	25
165	Lipoamino Acid Conjugates of Methotrexate with Antitumor Activity. Journal of Pharmaceutical Sciences, 1998, 87, 367-371.	1.6	24
166	Toward the Development of a Synthetic Group A Streptococcal Vaccine of High Purity and Broad Protective Coverage. Journal of Medicinal Chemistry, 2004, 47, 4100-4104.	2.9	24
167	Self-Adjuvanting Therapeutic Peptide-Based Vaccine Induce CD8⁺ Cytotoxic T Lymphocyte Responses in a Murine Human Papillomavirus Tumor Model. Current Drug Delivery, 2015, 12, 3-8.	0.8	24
168	Short cationic lipopeptides as effective antibacterial agents: Design, physicochemical properties and biological evaluation. Bioorganic and Medicinal Chemistry, 2016, 24, 2235-2241.	1.4	24
169	Investigation of bombesin peptide as a targeting ligand for the gastrin releasing peptide (GRP) receptor. Bioorganic and Medicinal Chemistry, 2016, 24, 5834-5841.	1.4	24
170	A semi-synthetic whole parasite vaccine designed to protect against blood stage malaria. Acta Biomaterialia, 2016, 44, 295-303.	4.1	24
171	Double conjugation strategy to incorporate lipid adjuvants into multiantigenic vaccines. Chemical Science, 2016, 7, 2308-2321.	3.7	24
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