# Kevin G Rice

List of Publications by Year
in descending order



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|---|---|---|---|
| 29 papers | 1,248 citations | 623734 14 h-index | 580821 25 g-index |
| 30 all docs | 30 docs citations | 30 times ranked | 1454 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Peptide-guided gene delivery. AAPS Journal, 2007, 9, E18-E29. | 4.4 | 294 |
| 2 | Peptide-Mediated Gene Delivery:â€‰ Influence of Peptide Structure on Gene Expression. Bioconjugate Chemistry, 1997, 8, 81-88. | 3.6 | 208 |
| 3 | Receptor Mediated Glycotargeting. Journal of Drug Targeting, 1995, 3, 111-127. | 4.4 | 104 |
| 4 | Fabrication and in vitro testing of polymeric delivery system for condensed DNA. Journal of Biomedical Materials Research - Part A, 2003, 67A, 1384-1392. | 4.0 | 82 |
| 5 | Comparative gene transfer efficiency of low molecular weight polylysine DNA-condensing peptides. Chemical Biology and Drug Design, 1999, 54, 311-318. | 1.1 | 74 |
| 6 | Gene Transfer with Poly-Melittin Peptides. Bioconjugate Chemistry, 2006, 17, 1057-1062. | 3.6 | 73 |
| 7 | Biodistribution, Metabolism, and in Vivo Gene Expression of Low Molecular Weight Glycopeptide Polyethylene Glycol Peptide DNA Coâ€Condensates. , 2000, 89, 499-512. | | 69 |
| 8 | Synthesis and In Vitro Testing of New Potent Polyacridineâ^'Melittin Gene Delivery Peptides. Bioconjugate Chemistry, 2010, 21, 74-83. | 3.6 | 40 |
| 9 | Non-viral gene delivery: from the needle to the nucleus. Expert Opinion on Biological Therapy, 2007, 7, 799-808. | 3.1 | 39 |
| 10 | Iodinated Plasmid DNA as a Tool for Studying Gene Delivery. Analytical Biochemistry, 1998, 263, 120-123. | 2.4 | 35 |
| 11 | PEG length and chemical linkage controls polyacridine peptide DNA polyplex pharmacokinetics, biodistribution, metabolic stability and in vivo gene expression. Journal of Controlled Release, 2013, 170, 325-333. | 9.9 | 35 |
| 12 | Synthetic PEGylated Glycoproteins and Their Utility in Gene Delivery. Bioconjugate Chemistry, 2007, 18, 371-378. | 3.6 | 33 |
| 13 | Synthesis and Applications for Unnatural Sugar Nucleotides. Current Medicinal Chemistry, 1999, 6, 93-116. | 2.4 | 30 |
| 14 | Nanoparticle Ligand Presentation for Targeting Solid Tumors. AAPS PharmSciTech, 2014, 15, 1345-1354. | 3.3 | 24 |
| 15 | Structureâ€“Activity Relationship of PEGylated Polylysine Peptides as Scavenger Receptor Inhibitors for Non-Viral Gene Delivery. Molecular Pharmaceutics, 2015, 12, 4321-4328. | 4.6 | 19 |
| 16 | Miniaturization of gene transfection assays in 384- and 1536-well microplates. Analytical Biochemistry, 2015, 470, 14-21. | 2.4 | 14 |
| 17 | PEG-Peptide Inhibition of Scavenger Receptor Uptake of Nanoparticles by the Liver. Molecular Pharmaceutics, 2018, 15, 3881-3891. | 4.6 | 12 |
| 18 | Thiosugar nucleotide analogs: Synthesis of 5â€²-(2,3,4-tri-O-acetyl-6-S-acetyl-6-thio-Î±-d-galactopyranosyl) Tj ETQq0 0 0 rgBT /Overlock | 2.3 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Heat-shrinking DNA nanoparticles for in vivo gene delivery. Gene Therapy, 2020, 27, 196-208. | 4.5 | 9 |
| 20 | â€œEvolving nanoparticle gene delivery vectors for the liver: What has been learned in 30 yearsâ€• Journal of Controlled Release, 2015, 219, 457-470. | 9.9 | 8 |
| 21 | Metabolically stabilized double-stranded mRNA polyplexes. Gene Therapy, 2018, 25, 473-484. | 4.5 | 8 |
| 22 | Synthesis of homogenous disulfide crossâ€linked polypeptides by iterative reducible ligation. Biopolymers, 2012, 98, 510-517. | 2.4 | 4 |
| 23 | A convergent synthesis of homogeneous reducible polypeptides. Tetrahedron Letters, 2013, 54, 4746-4748. | 1.4 | 4 |
| 24 | 13: MACROMOLECULAR CONJUGATES FOR NON-VIRAL NUCLEIC ACID DELIVERY. ICP Textbooks in Biomolecular Sciences, 2014, , 207-219. | 0.1 | 4 |
| 25 | Iterative reducible ligation to form homogeneous penicillamine cross-linked polypeptides. Tetrahedron Letters, 2013, 54, 3440-3443. | 1.4 | 3 |
| 26 | Fluorescent labeling of plasmid DNA for gene delivery: Implications of dye hydrophobicity on labeling efficiencies and nanoparticle size. Analytical Biochemistry, 2022, 644, 113895. | 2.4 | 2 |
| 27 | MACROMOLECULAR CONJUGATES FOR NON-VIRAL NUCLEIC ACID DELIVERY. , 2019, , 223-235. | | 1 |
| 28 | Gene transfection of primary mouse hepatocytes in 384-well plates. Analytical Biochemistry, 2020, , 113911. | 2.4 | 0 |
| 29 | The reducedâ€charge melittin analogue MelP5 improves the transfection of nonâ€viral DNA nanoparticles. Journal of Peptide Science, 2022, 28, e3404. | 1.4 | 0 |