# Tae-Eun Park

List of Publications by Year
in descending order



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|---|---|---|---|
| 47 papers | 2,511 citations | 361413 20 h-index | 330143 37 g-index |
| 50 all docs | 50 docs citations | 50 times ranked | 4100 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A novel therapeutic strategy of multimodal nanoconjugates for state-of-the-art brain tumor phototherapy. Journal of Nanobiotechnology, 2022, 20, 14. | 9.1 | 22 |
| 2 | Essential cues of engineered polymeric materials regulating gene transfer pathways. Progress in Materials Science, 2022, 128, 100961. | 32.8 | 7 |
| 3 | Recent advances with liposomes as drug carriers for treatment of neurodegenerative diseases. Biomedical Engineering Letters, 2021, 11, 211-216. | 4.1 | 18 |
| 4 | Condensed ECM-based nanofilms on highly permeable PET membranes for robust cell-to-cell communications with improved optical clarity. Biofabrication, 2021, 13, 045020. | 7.1 | 9 |
| 5 | Biofouling-resistant tubular fluidic devices with magneto-responsive dynamic walls. Soft Matter, 2021, 17, 1715-1723. | 2.7 | 6 |
| 6 | PPM1A Controls Diabetic Gene Programming through Directly Dephosphorylating PPARÎ³ at Ser273. Cells, 2020, 9, 343. | 4.1 | 12 |
| 7 | Engineering Human Brain Organoids: From Basic Research to Tissue Regeneration. Tissue Engineering and Regenerative Medicine, 2020, 17, 747-757. | 3.7 | 15 |
| 8 | Robotic fluidic coupling and interrogation of multiple vascularized organ chips. Nature Biomedical Engineering, 2020, 4, 407-420. | 22.5 | 256 |
| 9 | LSM12-EPAC1 defines a neuroprotective pathway that sustains the nucleocytoplasmic RAN gradient. PLoS Biology, 2020, 18, e3001002. | 5.6 | 12 |
| 10 | LSM12-EPAC1 defines a neuroprotective pathway that sustains the nucleocytoplasmic RAN gradient. , 2020, 18, e3001002. | | 0 |
| 11 | LSM12-EPAC1 defines a neuroprotective pathway that sustains the nucleocytoplasmic RAN gradient. , 2020, 18, e3001002. | | 0 |
| 12 | LSM12-EPAC1 defines a neuroprotective pathway that sustains the nucleocytoplasmic RAN gradient. , 2020, 18, e3001002. | | 0 |
| 13 | LSM12-EPAC1 defines a neuroprotective pathway that sustains the nucleocytoplasmic RAN gradient. , 2020, 18, e3001002. | | 0 |
| 14 | LSM12-EPAC1 defines a neuroprotective pathway that sustains the nucleocytoplasmic RAN gradient. , 2020, 18, e3001002. | | 0 |
| 15 | LSM12-EPAC1 defines a neuroprotective pathway that sustains the nucleocytoplasmic RAN gradient. , 2020, 18, e3001002. | | 0 |
| 16 | LSM12-EPAC1 defines a neuroprotective pathway that sustains the nucleocytoplasmic RAN gradient. , 2020, 18, e3001002. | | 0 |
| 17 | LSM12-EPAC1 defines a neuroprotective pathway that sustains the nucleocytoplasmic RAN gradient. , 2020, 18, e3001002. | | 0 |
| 18 | 3D Microfluidic Bone Tumor Microenvironment Comprised of Hydroxyapatite/Fibrin Composite. Frontiers in Bioengineering and Biotechnology, 2019, 7, 168. | 4.1 | 49 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Tumor-Derived Extracellular Vesicles Breach the Intact Bloodâ€“Brain Barrier via Transcytosis. ACS Nano, 2019, 13, 13853-13865. | 14.6 | 326 |
| 20 | Hydrogel Nanospike Patch as a Flexible Anti-Pathogenic Scaffold for Regulating Stem Cell Behavior. ACS Nano, 2019, 13, 11181-11193. | 14.6 | 56 |
| 21 | Hypoxia-enhanced Blood-Brain Barrier Chip recapitulates human barrier function and shuttling of drugs and antibodies. Nature Communications, 2019, 10, 2621. | 12.8 | 371 |
| 22 | Robust chemical bonding of PMMA microfluidic devices to porous PETE membranes for reliable cytotoxicity testing of drugs. Lab on A Chip, 2019, 19, 3706-3713. | 6.0 | 49 |
| 23 | Investigation on vascular cytotoxicity and extravascular transport of cationic polymer nanoparticles using perfusable 3D microvessel model. Acta Biomaterialia, 2018, 76, 154-163. | 8.3 | 26 |
| 24 | A linked organ-on-chip model of the human neurovascular unit reveals the metabolic coupling of endothelial and neuronal cells. Nature Biotechnology, 2018, 36, 865-874. | 17.5 | 310 |
| 25 | Distinct Contributions of Astrocytes and Pericytes to Neuroinflammation Identified in a 3D Human Blood-Brain Barrier on a Chip. PLoS ONE, 2016, 11, e0150360. | 2.5 | 335 |
| 26 | Correction: Efficient gene transfection to liver cells via the cellular regulation of a multifunctional polylactitol-based gene transporter. Journal of Materials Chemistry B, 2016, 4, 2740-2740. | 5.8 | 0 |
| 27 | Nasal immunization with mannan-decorated mucoadhesive HPMCP microspheres containing ApxIIA toxin induces protective immunity against challenge infection with Actinobacillus pleuropneumoiae in mice. Journal of Controlled Release, 2016, 233, 114-125. | 9.9 | 26 |
| 28 | Gene therapy for bone tissue engineering. Tissue Engineering and Regenerative Medicine, 2016, 13, 111-125. | 3.7 | 20 |
| 29 | Polyethyleneimines, Degradable: Gene Carrier Design. , 2016, , 6299-6311. | | 0 |
| 30 | A high affinity kidney targeting by chitobionic acid-conjugated polysorbitol gene transporter alleviates unilateral ureteral obstruction in rats. Biomaterials, 2016, 102, 43-57. | 11.4 | 7 |
| 31 | Efficient gene transfection to liver cells via the cellular regulation of a multifunctional polylactitol-based gene transporter. Journal of Materials Chemistry B, 2016, 4, 2208-2218. | 5.8 | 9 |
| 32 | Soluble RANKL expression in Lactococcus lactis and investigation of its potential as an oral vaccine adjuvant. BMC Immunology, 2015, 16, 71. | 2.2 | 14 |
| 33 | Mannan-decorated thiolated Eudragit microspheres for targeting antigen presenting cells via nasal vaccination. European Journal of Pharmaceutical Sciences, 2015, 80, 16-25. | 4.0 | 18 |
| 34 | Production of Recombinant Human Growth Hormone Conjugated with a Transcytotic Peptide in Pichia pastoris for Effective Oral Protein Delivery. Molecular Biotechnology, 2015, 57, 430-438. | 2.4 | 8 |
| 35 | Tuning the Buffering Capacity of Polyethylenimine with Glycerol Molecules for Efficient Gene Delivery: Staying In or Out of the Endosomes. Macromolecular Bioscience, 2015, 15, 622-635. | 4.1 | 54 |
| 36 | Nanoparticle-mediated delivery of siRNA for effective lung cancer therapy. Nanomedicine, 2015, 10, 1165-1188. | 3.3 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Influence of Flaxseed Oil on Fecal Microbiota, Egg Quality and Fatty Acid Composition of Egg Yolks in Laying Hens. Current Microbiology, 2015, 72, 259-66. | 2.2 | 14 |
| 38 | Enhanced BBB permeability of osmotically active poly(mannitol-co-PEI) modified with rabies virus glycoprotein via selective stimulation of caveolar endocytosis for RNAi therapeutics in Alzheimer's disease. Biomaterials, 2015, 38, 61-71. | 11.4 | 106 |
| 39 | Image-Guided Nanoparticle-Based siRNA Delivery for Cancer Therapy. Current Pharmaceutical Design, 2015, 21, 4637-4656. | 1.9 | 9 |
| 40 | Mucoadhesive Chitosan Derivatives as Novel Drug Carriers. Current Pharmaceutical Design, 2015, 21, 4285-4309. | 1.9 | 58 |
| 41 | Mucosal Delivery of Vaccine by M Cell Targeting Strategies. Current Drug Therapy, 2014, 9, 9-20. | 0.3 | 6 |
| 42 | Polyxylitol-based gene carrier improves the efficiency of gene transfer through enhanced endosomal osmolysis. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 525-534. | 3.3 | 24 |
| 43 | Highly efficient gene transfection by a hyperosmotic polymannitol based gene tranporter through regulation of caveolae and COX-2 induced endocytosis. Journal of Materials Chemistry B, 2014, 2, 2666. | 5.8 | 9 |
| 44 | N-acetylglucosamine-conjugated block copolymer consisting of poly(ethylene oxide) and cationic polyaspartamide as a gene carrier for targeting vimentin-expressing cells. European Journal of Pharmaceutical Sciences, 2014, 51, 165-172. | 4.0 | 3 |
| 45 | Major degradable polycations as carriers for DNA and siRNA. Journal of Controlled Release, 2014, 193, 74-89. | 9.9 | 124 |
| 46 | Selective stimulation of caveolae-mediated endocytosis by an osmotic polymannitol-based gene transporter. Biomaterials, 2012, 33, 7272-7281. | 11.4 | 39 |
| 47 | The role of osmotic polysorbitol-based transporter in RNAi silencing via caveolae-mediated endocytosis and COX-2 expression. Biomaterials, 2012, 33, 8868-8880. | 11.4 | 27 |