# Lajos P Balogh

List of Publications by Year
in descending order

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| 95 | 6,775 | 126907 | 85541 |
|---|---|---|---|
| papers | citations | 33 h-index | 71 g-index |

| 109 | 109 | 109 | 8676 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381. | 14.6 | 976 |
| 2 | Nanoparticle Targeting of Anticancer Drug Improves Therapeutic Response in Animal Model of Human Epithelial Cancer. Cancer Research, 2005, 65, 5317-5324. | 0.9 | 854 |
| 3 | Poly(Amidoamine) Dendrimer-Templated Nanocomposites. 1. Synthesis of Zerovalent Copper Nanoclusters. Journal of the American Chemical Society, 1998, 120, 7355-7356. | 13.7 | 686 |
| 4 | Interaction of Poly(amidoamine) Dendrimers with Supported Lipid Bilayers and Cells:â€‰ Hole Formation and the Relation to Transport. Bioconjugate Chemistry, 2004, 15, 774-782. | 3.6 | 556 |
| 5 | Dendrimerâ^'Silver Complexes and Nanocomposites as Antimicrobial Agents. Nano Letters, 2001, 1, 18-21. | 9.1 | 389 |
| 6 | Silver/Dendrimer Nanocomposites as Biomarkers:â€‰ Fabrication, Characterization, in Vitro Toxicity, and Intracellular Detection. Nano Letters, 2005, 5, 2123-2130. | 9.1 | 239 |
| 7 | Electrostatic Multilayer Deposition of a Goldâ^'Dendrimer Nanocomposite. Chemistry of Materials, 1999, 11, 3268-3274. | 6.7 | 210 |
| 8 | Dendritic Chelating Agents. 1. Cu(II) Binding to Ethylene Diamine Core Poly(amidoamine) Dendrimers in Aqueous Solutions. Langmuir, 2004, 20, 2640-2651. | 3.5 | 200 |
| 9 | Poly(amidoamine) Dendrimers:â€‰ A New Class of High Capacity Chelating Agents for Cu(II) Ions. Environmental Science & Technology, 1999, 33, 820-824. | 10.0 | 198 |
| 10 | Significant effect of size on the in vivo biodistribution of gold composite nanodevices in mouse tumor models. Nanomedicine: Nanotechnology, Biology, and Medicine, 2007, 3, 281-296. | 3.3 | 186 |
| 11 | Formation of Silver and Gold Dendrimer Nanocomposites. Journal of Nanoparticle Research, 1999, 1, 353-368. | 1.9 | 165 |
| 12 | Large Optical Limiting from Novel Metalâ^'Dendrimer Nanocomposite Materials. Journal of the American Chemical Society, 2000, 122, 11005-11006. | 13.7 | 152 |
| 13 | 3H Dendrimer Nanoparticle Organ/Tumor Distribution. Pharmaceutical Research, 2004, 21, 476-483. | 3.5 | 134 |
| 14 | Ultrafast time-resolved photoluminescence from novel metalâ€“dendrimer nanocomposites. Journal of Chemical Physics, 2001, 114, 1962-1965. | 3.0 | 125 |
| 15 | Characterization of crystalline dendrimer-stabilized gold nanoparticles. Nanotechnology, 2006, 17, 1072-1078. | 2.6 | 107 |
| 16 | Internal Structure of Silverâ^'Poly(amidoamine) Dendrimer Complexes and Nanocomposites. Macromolecules, 2002, 35, 5105-5115. | 4.8 | 96 |
| 17 | Imaging {Au0-PAMAM} Gold-dendrimer Nanocomposites in Cells. Journal of Nanoparticle Research, 2002, 4, 395-403. | 1.9 | 87 |
| 18 | Fabrication of {198Au0} radioactive composite nanodevices and their use for nanobrachytherapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2008, 4, 57-69. | 3.3 | 81 |

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|---|---|---|---|
| 19 | In Vivo Biodistribution of Dendrimers and Dendrimer Nanocomposites â€" Implications for Cancer Imaging and Therapy. Technology in Cancer Research and Treatment, 2005, 4, 603-613. | 1.9 | 79 |
| 20 | Comparison and Stability of CdSe Nanocrystals Covered with Amphiphilic Poly(Amidoamine) Dendrimers. Journal of Physical Chemistry B, 2002, 106, 10316-10321. | 2.6 | 78 |
| 21 | Comprehensive characterization of surface-functionalized poly(amidoamine) dendrimers with acetamide, hydroxyl, and carboxyl groups. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 272, 139-150. | 4.7 | 76 |
| 22 | HPLC Separation of Different Generations of Poly(amidoamine) Dendrimers Modified with Various Terminal Groups. Analytical Chemistry, 2005, 77, 2063-2070. | 6.5 | 68 |
| 23 | Synthesis and Characterization of PAMAM Dendrimer-Based Multifunctional Nanodevices for Targeting Î±vÎ²3Integrins. Bioconjugate Chemistry, 2007, 18, 1148-1154. | 3.6 | 68 |
| 24 | Architectural Copolymers of PAMAM Dendrimers and Ionic Polyacetylenes. Macromolecules, 1999, 32, 1036-1042. | 4.8 | 67 |
| 25 | Synthesis, characterization, and manipulation of dendrimer-stabilized iron sulfide nanoparticles. Nanotechnology, 2006, 17, 4554-4560. | 2.6 | 61 |
| 26 | Generational, skeletal and substitutional diversities in generation one poly(amidoamine) dendrimers. Polymer, 2005, 46, 3022-3034. | 3.8 | 55 |
| 27 | Electrophoretic mobility and molecular distribution studies of poly(amidoamine) dendrimers of defined charges. Electrophoresis, 2006, 27, 1758-1767. | 2.4 | 55 |
| 28 | Analysis of poly(amidoamine)-succinamic acid dendrimers by slab-gel electrophoresis and capillary zone electrophoresis. Electrophoresis, 2005, 26, 2960-2967. | 2.4 | 54 |
| 29 | A small angle scattering study of dendrimerâ€"copper sulfide nanocomposites. Polymer, 1999, 40, 2537-2545. | 3.8 | 52 |
| 30 | Living carbocationic polymerization of isobutylene with BCl3 coinitiation in the presence of di-tert-butylpyridine as proton trap. Polymer Bulletin, 1992, 28, 367-374. | 3.3 | 46 |
| 31 | Capillary electrophoresis of polycationic poly(amidoamine) dendrimers. Electrophoresis, 2005, 26, 2949-2959. | 2.4 | 42 |
| 32 | Initiation via Haloboration in Living Cationic Polymerization. 1. The Polymerization of Isobutylene. Macromolecules, 1994, 27, 3453-3458. | 4.8 | 41 |
| 33 | Physiologically Based Pharmacokinetic Model for Composite Nanodevices: Effect of Charge and Size on In Vivo Disposition. Pharmaceutical Research, 2012, 29, 2534-2542. | 3.5 | 38 |
| 34 | Enhancement of laser-induced optical breakdown using metal/dendrimer nanocomposites. Applied Physics Letters, 2002, 80, 1713-1715. | 3.3 | 36 |
| 35 | Synthesis, homopolymerization, and block copolymerization ofN-ethyl-2-ethynyl-pyridinium trifluoromethanesulfonate with styrene and butadiene. Journal of Polymer Science Part A, 1998, 36, 703-712. | 2.3 | 30 |
| 36 | Why do we have so many definitions for nanoscience and nanotechnology?. Nanomedicine: Nanotechnology, Biology, and Medicine, 2010, 6, 397-398. | 3.3 | 26 |

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| 37 | Acoustic detection of microbubble formation induced by enhanced optical breakdown of silver/dendrimer nanocomposites. Applied Physics Letters, 2003, 82, 994-996. | 3.3 | 25 |
| 38 | Initiation via Haloboration in Living Cationic Polymerization. 2. Kinetic and Mechanistic Studies of Isobutylene Polymerization. Macromolecules, 1994, 27, 4648-4651. | 4.8 | 24 |
| 39 | Enhanced optical breakdown in KB cells labeled with folate-targeted silver-dendrimer composite nanodevices. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 97-106. | 3.3 | 24 |
| 40 | Potentiometric Response Characteristics of Polycation-Sensitive Membrane Electrodes toward Poly(amidoamine) and Poly(propylenimine) Dendrimers. Analytical Chemistry, 2004, 76, 1474-1482. | 6.5 | 23 |
| 41 | Morphology of Amphiphilic Gold/Dendrimer Nanocomposite Monolayers. Langmuir, 2002, 18, 5927-5932. | 3.5 | 21 |
| 42 | Self-diffusion of water and poly(amidoamine) dendrimers in dilute aqueous solutions. Soft Matter, 2013, 9, 1645-1655. | 2.7 | 20 |
| 43 | Folate receptor targeted self-assembled chitosan-based nanoparticles for SPECT/CT imaging: Demonstrating a preclinical proof of concept. International Journal of Pharmaceutics, 2014, 474, 91-94. | 5.2 | 18 |
| 44 | Amphiphilic Block Copolymer of Styrene and Ionic Acetylene. Macromolecules, 1996, 29, 4180-4186. | 4.8 | 16 |
| 45 | Effect of Anticoagulants and Sampling Time on Results of Progesterone Determination in Canine Blood Samples. Reproduction in Domestic Animals, 2003, 38, 386-389. | 1.4 | 16 |
| 46 | Conjugated Ionic Polyacetylenes. 7. Oligomerization of N-Methyl-2-ethynylpyridinium (Trifluoromethyl)sulfonate in Methanol and Pyridine. Macromolecules, 1995, 28, 25-33. | 4.8 | 14 |
| 47 | Conjugated Ionic Polyacetylenes. 9. Polymerization of N-methyl-2-ethynylpyridinium Trifluoromethanesulfonate in Aprotic Polar Solvents. Macromolecules, 1995, 28, 5691-5698. | 4.8 | 14 |
| 48 | Acoustic detection of controlled laser-induced microbubble creation in gelatin. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 1962-1969. | 3.0 | 14 |
| 49 | Investigation of 1,3,5-tris(2-metoxypropane)benzene/BCl3 initiated living isobutylene polymerization by C13 and B11 NMR spectroscopy. Polymer Bulletin, 1990, 23, 335-340. | 3.3 | 13 |
| 50 | In vivotoxicity evaluation of gold-dendrimer composite nanodevices with different surface charges. Nanotoxicology, 2013, 7, 441-451. | 3.0 | 13 |
| 51 | Caging cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 867-869. | 3.3 | 13 |
| 52 | Beware of phosphate: evidence of specific dendrimerâ€“phosphate interactions. Physical Chemistry Chemical Physics, 2017, 19, 11540-11548. | 2.8 | 12 |
| 53 | Complexation of the propagating chain-end in living cationic polymerization. Polymer Bulletin, 1992, 29, 127-134. | 3.3 | 9 |
| 54 | Dendrimer 101. Advances in Experimental Medicine and Biology, 2007, 620, 136-155. | 1.6 | 9 |

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| 55 | Self Assembly and Optical Properties of Dendrimer Nanocomposite Multilayers. Macromolecular Bioscience, 2007, 7, 1032-1046. | 4.1 | 9 |
| 56 | Magnetic Properties of Transition Metal-Dendrimer Nanocomposites. Materials Research Society Symposia Proceedings, 2001, 674, 1. | 0.1 | 6 |
| 57 | Base-catalyzed transformation of a Î²-dicarbonyl acetal, 1-(2-hydroxyphenyl)-2-phenyl-3,3-dimethoxypropane-1-one into isoflavone and 2-hydroxydeoxybenzoin. Reaction Kinetics and Catalysis Letters, 1978, 8, 1-6. | 0.6 | 5 |
| 58 | Simulation of the Durability and Approach to the Stabilization of Polyolefins Undergoing Oxidative Degradation under Mechanical Stress. International Journal of Polymeric Materials and Polymeric Biomaterials, 1993, 19, 101-108. | 3.4 | 5 |
| 59 | Some aspects of the living isobutylene polymerization. Makromolekulare Chemie Macromolecular Symposia, 1993, 67, 325-338. | 0.6 | 4 |
| 60 | Toxicity evaluation of gold-dendrimer composite nanodevicesin vitroâ€“ difference found between tumour and proliferating endothelial cells. Nanotoxicology, 2009, 3, 139-151. | 3.0 | 3 |
| 61 | Evaluation of the performance of a human D-dimer test in dogs with neoplasia. Acta Veterinaria Hungarica, 2020, 68, 242-250. | 0.5 | 3 |
| 62 | Direct monitoring of cationic polymerization by temperature, conductivity and permittivity measurements. Polymer Bulletin, 1990, 23, 75-82. | 3.3 | 2 |
| 63 | The nanoscopic range and the effect of architecture on nanoproperties. Nanomedicine: Nanotechnology, Biology, and Medicine, 2010, 6, 501-503. | 3.3 | 2 |
| 64 | Fourth Annual Conference of the American Society for Nanomedicine. Journal of NeuroImmune Pharmacology, 2014, 9, 1-38. | 4.1 | 2 |
| 65 | The Story of Precision Nanomedicine. Precision Nanomedicine, 2018, 1, 1-4. | 0.8 | 2 |
| 66 | Acoustic detection of controlled bubble creation by liob in tissue-mimicking gelatin phantoms. , 0, , . | | 1 |
| 67 | Dendrimer Nanocomposites as Multifunctional X-ray Contrast Agents. Materials Research Society Symposia Proceedings, 2007, 1064, 6181. | 0.1 | 1 |
| 68 | Integrated pharmacokinetic modelling for accelerated nanomedicine translation. European Journal of Nanomedicine, 2017, 9, 1-3. | 0.6 | 1 |
| 69 | Research Ethics Policy. Precision Nanomedicine, 0, , . | 0.8 | 1 |
| 70 | Balancing Interests of Science, Scientists, and the Publishing Business. Precision Nanomedicine, 2018, 1, 5-14. | 0.8 | 1 |
| 71 | Simple separation of products of glycerolysis by low-pressure column chromatography. Journal of Chromatography A, 1984, 286, 107-112. | 3.7 | 0 |
| 72 | Cationic Initiation by Thionyl Chloride/Titanium Tetrachloride. I. Model Reactions. Journal of Macromolecular Science Part A, Chemistry, 1990, 27, 225-235. | 0.3 | 0 |

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| 73 | Cationic Initiation by Thionyl Chloride/Titanium Tetrachloride. II. Styrene Polymerization. Journal of Macromolecular Science Part A, Chemistry, 1990, 27, 247-255. | 0.3 | 0 |
| 74 | Imaging of gold dendrimer nanocomposites in cells. Materials Research Society Symposia Proceedings, 2001, 676, 931. | 0.1 | 0 |
| 75 | Labeling Cells with Silver/Dendrimer Nanocomposites. Materials Research Society Symposia Proceedings, 2004, 845, 187. | 0.1 | 0 |
| 76 | Characterization of Dendrimer-Gold Nanocomposite Materials. Materials Research Society Symposia Proceedings, 2004, 847, 204. | 0.1 | 0 |
| 77 | Monitoring LIOB-induced bubble characteristics in gelatin using high-frequency ultrasound. , 2004, 5373, 242. | | 0 |
| 78 | Optical and acoustical monitoring of femtosecond laser-induced intracellular contrast agents: initial cell culture studies. , 2005, , . | | 0 |
| 79 | Dendrimer Nanocomposites for Cancer Therapy. , 2006, , 551-592. | | 0 |
| 80 | Generating controllable microbubbles inside individual cells using femtosecond laser pulses. , 2006, , . | | 0 |
| 81 | Metal/dendrimer nanocomposites for enhanced optical breakdown: acoustic characterization and initial targeted cell uptake study. , 2007, , . | | 0 |
| 82 | Intracellular photodisruption with targeted silver/dendrimer nanocomposites and femtosecond lasers. , 2008, , . | | 0 |
| 83 | Content of all issues published in PRNANO. Updated: September 28, 2022. Precision Nanomedicine, 0, , . | 0.8 | 0 |
| 84 | Biodistribution of Dendrimer Nanocomposites for Nano-Radiation Therapy of Cancer. , 2006, , . | | 0 |
| 85 | Nanomedicine. , 2011, , . | | 0 |
| 86 | Handling cases requiring corrections. Precision Nanomedicine, 0, , . | 0.8 | 0 |
| 87 | The process by which editors are selected. Precision Nanomedicine, 0, , . | 0.8 | 0 |
| 88 | Open access, Copyright, Deposit, and Archival Policies. Precision Nanomedicine, 0, , . | 0.8 | 0 |
| 89 | Case reports and similar articles. Precision Nanomedicine, 0, , . | 0.8 | 0 |
| 90 | Human and Animal Rights Statement - Informed consent. Precision Nanomedicine, 0, , . | 0.8 | 0 |

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| 91 | Conflict of Interest policy. Precision Nanomedicine, 0, , . | 0.8 | 0 |
| 92 | Precision Nanomedicine Volume 3 Issue 3 Table of Contents. Precision Nanomedicine, 0, , . | 0.8 | 0 |
| 93 | Advertising policy. Precision Nanomedicine, 0, , . | 0.8 | 0 |
| 94 | Usefulness of (99m)Tc(V)-dimercaptosuccinic acid scintigraphy in the assessment of response to external radiation therapy in soft tissue sarcoma in Giant Snauzer dog. Nuclear Medicine Review, 2005, 8, 150-2. | 0.5 | 0 |
| 95 | Science, Pseudo-science, False, and Fake â€œscienceâ€• Why is this happening, and what can you do?. Precision Nanomedicine, 2022, 5, . | 0.8 | 0 |