

# Sjoerd Hak

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,195  
citations

516710

16  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2467  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | The Effect of Nanoparticle Polyethylene Glycol Surface Density on Ligand-Directed Tumor Targeting Studied <i>in Vivo</i> by Dual Modality Imaging. <i>ACS Nano</i> , 2012, 6, 5648-5658.                                    | 14.6 | 176       |
| 2  | Augmenting drug carrier compatibility improves tumour nanotherapy efficacy. <i>Nature Communications</i> , 2016, 7, 11221.  | 12.8 | 111       |
| 3  | Trained Immunity-Promoting Nanobiologic Therapy Suppresses Tumor Growth and Potentiates Checkpoint Inhibition. <i>Cell</i> , 2020, 183, 786-801.e19.  | 28.9 | 101       |
| 4  | A high relaxivity Gd(III)DOTA-DSPE-based liposomal contrast agent for magnetic resonance imaging. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 72, 397-404.  | 4.3  | 88        |
| 5  | Labeling nanoparticles: Dye leakage and altered cellular uptake. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 760-766.   | 1.5  | 80        |
| 6  | DOPA-Coated Manganese Oxide Nanoparticles as Dual MRI Contrast Agents and Drug Delivery Vehicles. <i>Small</i> , 2016, 12, 301-306.   | 10.0 | 78        |
| 7  | Tumor Targeting by $\alpha_3\beta_1$ -Integrin-Specific Lipid Nanoparticles Occurs <i>via</i> Phagocyte Hitchhiking. <i>ACS Nano</i> , 2020, 14, 7832-7846.   | 14.6 | 69        |
| 8  | Near-Infrared Fluorescence Energy Transfer Imaging of Nanoparticle Accumulation and Dissociation Kinetics in Tumor-Bearing Mice. <i>ACS Nano</i> , 2013, 7, 10362-10370.  | 14.6 | 60        |
| 9  | Nanoparticle delivery to the brain By focused ultrasound and self-assembled nanoparticle-stabilized microbubbles. <i>Journal of Controlled Release</i> , 2015, 220, 287-294.  | 9.9  | 57        |
| 10 | Intravital microscopy in window chambers: a unique tool to study tumor angiogenesis and delivery of nanoparticles. <i>Angiogenesis</i> , 2010, 13, 113-130.   | 7.2  | 56        |
| 11 | Nanoparticle-stabilized microbubbles for multimodal imaging and drug delivery. <i>Contrast Media and Molecular Imaging</i> , 2015, 10, 356-366.   | 0.8  | 54        |
| 12 | Multimodality nanotracers for cardiovascular applications. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2008, 5, S103-S111.  | 3.3  | 48        |
| 13 | Probing myeloid cell dynamics in ischaemic heart disease by nanotracer hot-spot imaging. <i>Nature Nanotechnology</i> , 2020, 15, 398-405.  | 31.5 | 42        |
| 14 | Synthesis of gadolinium oxide nanodisks and gadolinium doped iron oxide nanoparticles for MR contrast agents. <i>Journal of Materials Chemistry B</i> , 2017, 5, 418-422.   | 5.8  | 33        |
| 15 | Real-Time Monitoring of Nanoparticle Formation by FRET Imaging. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2923-2926.   | 13.8 | 27        |
| 16 | The Effects of oil-in-Water Nanoemulsion Polyethylene Glycol Surface Density on Intracellular Stability, Pharmacokinetics, and Biodistribution in Tumor Bearing Mice. <i>Pharmaceutical Research</i> , 2015, 32, 1475-1485. | 3.5  | 17        |
| 17 | In vitro and in vivo evaluation of organic solvent-free injectable melatonin nanoformulations. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 152, 248-256.  | 4.3  | 17        |
| 18 | Nanoparticle Ligand-Decoration Procedures Affect in Vivo Interactions with Immune Cells. <i>Molecular Pharmaceutics</i> , 2018, 15, 5754-5761.  | 4.6  | 16        |

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|----|---|------|-----------|
| 19 | Periodicity in tumor vasculature targeting kinetics of ligand-functionalized nanoparticles studied by dynamic contrast enhanced magnetic resonance imaging and intravital microscopy. <i>Angiogenesis</i> , 2014, 17, 93-107. | 7.2  | 14        |
| 20 | Translating nanomedicines: Thinking beyond materials? A young investigator's reply to "The Novelty Bubble". <i>Journal of Controlled Release</i> , 2018, 290, 138-140.  | 9.9  | 12        |
| 21 | Transverse relaxivity of iron oxide nanocrystals clustered in nanoemulsions: Experiment and theory. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 858-867.  | 3.0  | 11        |
| 22 | Cyclic Arginine-Glycine-Aspartate Decorated Lipid Nanoparticle Targeting toward Inflammatory Lesions Involves Hitchhiking with Phagocytes. <i>Advanced Science</i> , 2021, 8, 2100370.  | 11.2 | 9         |
| 23 | Real-time Monitoring of Nanoparticle Formation by FRET Imaging. <i>Angewandte Chemie</i> , 2017, 129, 2969-2972.  | 2.0  | 7         |
| 24 | Integrating nanomedicine and imaging. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20170110.   | 3.4  | 5         |
| 25 | Mononuclear but Not Polymorphonuclear Phagocyte Depletion Increases Circulation Times and Improves Mammary Tumor-Homing Efficiency of Donor Bone Marrow-Derived Monocytes. <i>Cancers</i> , 2019, 11, 1752.                   | 3.7  | 5         |
| 26 | Simple and Robust Intravital Microscopy Procedures in Hybrid TIE2GFP-BALB/c Transgenic Mice. <i>Molecular Imaging and Biology</i> , 2020, 22, 486-493.  | 2.6  | 2         |