

# Tuan-Anh Le

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

370  
citations

840776

11  
h-index

794594

19  
g-index

27  
all docs

27  
docs citations

27  
times ranked

333  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Studies of aggregated nanoparticles steering during magnetic-guided drug delivery in the blood vessels. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 427, 181-187.  | 2.3 | 65        |
| 2  | Development of a real time imaging-based guidance system of magnetic nanoparticles for targeted drug delivery. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 427, 345-351.   | 2.3 | 35        |
| 3  | Real-Time Two-Dimensional Magnetic Particle Imaging for Electromagnetic Navigation in Targeted Drug Delivery. <i>Sensors</i> , 2017, 17, 2050.  | 3.8 | 33        |
| 4  | A Novel Magnetic Actuation Scheme to Disaggregate Nanoparticles and Enhance Passage across the Blood-Brain Barrier. <i>Nanomaterials</i> , 2018, 8, 3.  | 4.1 | 31        |
| 5  | A Soft Magnetic Core can Enhance Navigation Performance of Magnetic Nanoparticles in Targeted Drug Delivery. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 1573-1584.   | 5.8 | 22        |
| 6  | A Novel Shared Guidance Scheme for Intelligent Haptic Interaction Based Swarm Control of Magnetic Nanoparticles in Blood Vessels. <i>IEEE Access</i> , 2020, 8, 106714-106725.  | 4.2 | 21        |
| 7  | Haptic-Based Manipulation Scheme of Magnetic Nanoparticles in a Multi-Branch Blood Vessel for Targeted Drug Delivery. <i>Micromachines</i> , 2018, 9, 14.   | 2.9 | 19        |
| 8  | Theoretical Analysis for Wireless Magnetothermal Deep Brain Stimulation Using Commercial Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2873.  | 4.1 | 18        |
| 9  | Swarm of magnetic nanoparticles steering in multi-bifurcation vessels under fluid flow. <i>Journal of Micro-Bio Robotics</i> , 2020, 16, 137-145.   | 2.1 | 18        |
| 10 | A Magnetic Particle Imaging-Based Navigation Platform for Magnetic Nanoparticles Using Interactive Manipulation of a Virtual Field Free Point to Ensure Targeted Drug Delivery. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 12493-12503. | 7.9 | 16        |
| 11 | Simulation studies of a novel electromagnetic actuation scheme for focusing magnetic micro/nano-carriers into a deep target region. <i>ALP Advances</i> , 2017, 7, .  | 1.3 | 11        |
| 12 | Band-Stop Filter Analysis and Design for 1D Magnetic Particle Imaging Hybrid System. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 8492-8495.  | 0.9 | 10        |
| 13 | The Heating Efficiency and Imaging Performance of Magnesium Iron Oxide@tetramethyl Ammonium Hydroxide Nanoparticles for Biomedical Applications. <i>Nanomaterials</i> , 2021, 11, 1096.   | 4.1 | 10        |
| 14 | Offline Programming Guidance for Swarm Steering of Micro-/Nano Magnetic Particles in a Dynamic Multichannel Vascular Model. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 3977-3984.   | 5.1 | 10        |
| 15 | Optimal Design and Implementation of a Novel Two-Dimensional Electromagnetic Navigation System That Allows Focused Heating of Magnetic Nanoparticles. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, 26, 551-562.                                    | 5.8 | 8         |
| 16 | Development of Rat-Scale Magnetic Particle Spectroscopy for Functional Magnetic Particle Imaging. <i>IEEE Magnetics Letters</i> , 2020, 11, 1-5.  | 1.1 | 7         |
| 17 | A modified functionalized magnetic Field for nanoparticle guidance in magnetic drug targeting. , 2016, , .  |     | 6         |
| 18 | Theoretical Analysis for Using Pulsed Heating Power in Magnetic Hyperthermia Therapy of Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8895.   | 4.1 | 6         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Functionalized electromagnetic actuation method for aggregated nanoparticles steering. , 2017, 2017, 885-888.   |     | 5         |
| 20 | An electromagnetic navigation system with real-time 2D magnetic particle imaging for targeted drug delivery. , 2017, , .  |     | 5         |
| 21 | Electromagnetic Actuation Scheme for Swarm of Magnetic Nanoparticles Steering in Multi-bifurcation. , 2019, , .   |     | 4         |
| 22 | Electromagnetic Actuation System for Focused Capturing of Magnetic Particles With a Half of Static Saddle Potential Energy Configuration. IEEE Transactions on Biomedical Engineering, 2021, 68, 869-880. | 4.2 | 4         |
| 23 | Development of a magnetic nanoparticles guidance system for interleaved actuation and MPI-based monitoring. , 2016, , .   |     | 2         |
| 24 | An Optimal Design of an Electromagnetic Actuator for Targeting Magnetic Micro-/Nano-Carriers in a Desired Region. IEEE Transactions on Magnetics, 2018, 54, 1-5.  | 2.1 | 2         |
| 25 | BMRC: A Bitmap-Based Maximum Range Counting Approach for Temporal Data in Sensor Monitoring Networks. Sensors, 2017, 17, 2051.  | 3.8 | 1         |
| 26 | Studies on Aggregated Nanoparticles Steering during Deep Brain Membrane Crossing. Nanomaterials, 2021, 11, 2754.  | 4.1 | 1         |
| 27 | Hardware implementation of a 1D MPI hybrid system for targeted drug delivery. , 2015, , .   |     | 0         |