# Guanjia Zhao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11774863/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 28 papers | 1,393 citations | 304743 22 h-index | 501196 28 g-index |
| 30 all docs | 30 docs citations | 30 times ranked | 1103 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Beyond Platinum: Bubble-Propelled Micromotors Based on Ag and MnO<sub>2</sub> Catalysts. Journal of the American Chemical Society, 2014, 136, 2719-2722. | 13.7 | 205 |
| 2 | Externalâ€Energyâ€Independent Polymer Capsule Motors and Their Cooperative Behaviors. Chemistry - A European Journal, 2011, 17, 12020-12026. | 3.3 | 114 |
| 3 | Biomimetic Artificial Inorganic Enzymeâ€Free Selfâ€Propelled Microfish Robot for Selective Detection of Pb<sup>2+</sup> in Water. Chemistry - A European Journal, 2014, 20, 4292-4296. | 3.3 | 99 |
| 4 | Poisoning of bubble propelled catalytic micromotors: the chemical environment matters. Nanoscale, 2013, 5, 2909. | 5.6 | 86 |
| 5 | Crucial Role of Surfactants in Bubble-Propelled Microengines. Journal of Physical Chemistry C, 2014, 118, 5268-5274. | 3.1 | 79 |
| 6 | Challenges of the movement of catalytic micromotors in blood. Lab on A Chip, 2013, 13, 1930. | 6.0 | 69 |
| 7 | Micromotors with built-in compasses. Chemical Communications, 2012, 48, 10090. | 4.1 | 61 |
| 8 | Concentric bimetallic microjets by electrodeposition. RSC Advances, 2013, 3, 3963. | 3.6 | 61 |
| 9 | Macroscopic Selfâ€Propelled Objects. Chemistry - an Asian Journal, 2012, 7, 1994-2002. | 3.3 | 58 |
| 10 | Magnetotactic Artificial Self-Propelled Nanojets. Langmuir, 2013, 29, 7411-7415. | 3.5 | 57 |
| 11 | Self-propelled nanojets via template electrodeposition. Nanoscale, 2013, 5, 1319-1324. | 5.6 | 54 |
| 12 | Marangoni self-propelled capsules in a maze: pollutants â€˜sense and actâ€™ in complex channel environments. Lab on A Chip, 2014, 14, 2818-2823. | 6.0 | 47 |
| 13 | Geometric asymmetry driven Janus micromotors. Nanoscale, 2014, 6, 11177-11180. | 5.6 | 43 |
| 14 | Influence of real-world environments on the motion of catalytic bubble-propelled micromotors. Lab on A Chip, 2013, 13, 2937. | 6.0 | 40 |
| 15 | Liquidâ€“Liquid Interface Motion of a Capsule Motor Powered by the Interlayer Marangoni Effect. Journal of Physical Chemistry B, 2012, 116, 10960-10963. | 2.6 | 39 |
| 16 | Towards biocompatible nano/microscale machines: self-propelled catalytic nanomotors not exhibiting acute toxicity. Nanoscale, 2014, 6, 2119-2124. | 5.6 | 39 |
| 17 | Surfactant Capsules Propel Interfacial Oil Droplets: An Environmental Cleanup Strategy. ChemPlusChem, 2013, 78, 395-397. | 2.8 | 38 |
| 18 | Artificial micro-cinderella based on self-propelled micromagnets for the active separation of paramagnetic particles. Chemical Communications, 2013, 49, 5147. | 4.1 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Corrosion of self-propelled catalytic microengines. Chemical Communications, 2013, 49, 9125. | 4.1 | 27 |
| 20 | Blood Proteins Strongly Reduce the Mobility of Artificial Selfâ€Propelled Micromotors. Chemistry - A European Journal, 2013, 19, 16756-16759. | 3.3 | 27 |
| 21 | Enhanced diffusion of pollutants by self-propulsion. Physical Chemistry Chemical Physics, 2011, 13, 12755. | 2.8 | 24 |
| 22 | Blood electrolytes exhibit a strong influence on the mobility of artificial catalytic microengines. Physical Chemistry Chemical Physics, 2013, 15, 17277. | 2.8 | 24 |
| 23 | Reynolds numbers influence the directionality of self-propelled microjet engines in the 10â^'4 regime. Nanoscale, 2013, 5, 7277. | 5.6 | 22 |
| 24 | Clean room-free rapid fabrication of roll-up self-powered catalytic microengines. Journal of Materials Chemistry A, 2014, 2, 1219-1223. | 10.3 | 22 |
| 25 | Blood metabolite strongly suppresses motion of electrochemically deposited catalytic self-propelled microjet engines. Electrochemistry Communications, 2014, 38, 128-130. | 4.7 | 10 |
| 26 | Reynolds numbers exhibit dramatic influence on directionality of movement of self-propelled systems. Physical Chemistry Chemical Physics, 2012, 14, 6456. | 2.8 | 9 |
| 27 | Remote Electrochemical Monitoring of an Autonomous Self-Propelled Capsule. Journal of Physical Chemistry C, 2014, 118, 29896-29902. | 3.1 | 9 |
| 28 | Surfactant Capsules Propel Interfacial Oil Droplets: An Environmental Cleanup Strategy. ChemPlusChem, 2013, 78, 384-384. | 2.8 | 3 |