# Maria Guix Noguera

List of Publications by Year
in descending order



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|---|---|---|---|
| 41 papers | 3,058 citations | 236925 25 h-index | 315739 38 g-index |
| 47 all docs | 47 docs citations | 47 times ranked | 3372 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Micromotorâ€inâ€Sponge Platform for Multicycle Largeâ€Volume Degradation of Organic Pollutants. Small, 2022, 18, e2107619. | 10.0 | 8 |
| 2 | Swarming behavior and in vivo monitoring of enzymatic nanomotors within the bladder. Science Robotics, 2021, 6, . | 17.6 | 144 |
| 3 | Biohybrid soft robots with self-stimulating skeletons. Science Robotics, 2021, 6, . | 17.6 | 58 |
| 4 | Guided accumulation of active particles by topological design of a second-order skin effect. Nature Communications, 2021, 12, 4691. | 12.8 | 44 |
| 5 | 3D-bioengineered model of human skeletal muscle tissue with phenotypic features of aging for drug testing purposes. Biofabrication, 2021, 13, 045011. | 7.1 | 9 |
| 6 | 3Dâ€Printed Microrobots with Integrated Structural Color for Identification and Tracking. Advanced Intelligent Systems, 2020, 2, 1900147. | 6.1 | 32 |
| 7 | 3Dâ€Printed Microrobots with Integrated Structural Color for Identification and Tracking. Advanced Intelligent Systems, 2020, 2, 2070052. | 6.1 | 2 |
| 8 | A Microforce-Sensing Mobile Microrobot for Automated Micromanipulation Tasks. IEEE Transactions on Automation Science and Engineering, 2019, 16, 518-530. | 5.2 | 47 |
| 9 | Design, Optimization and Characterization of Bio-Hybrid Actuators Based on 3D-Bioprinted Skeletal Muscle Tissue. Lecture Notes in Computer Science, 2019, , 205-215. | 1.3 | 8 |
| 10 | Towards Functional Mobile Microrobotic Systems. Robotics, 2019, 8, 69. | 3.5 | 20 |
| 11 | Magnetically Aligned Nanorods in Alginate Capsules (MANiACs): Soft Matter Tumbling Robots for Manipulation and Drug Delivery. Micromachines, 2019, 10, 230. | 2.9 | 19 |
| 12 | Selfâ€Propelled Micro/Nanoparticle Motors. Particle and Particle Systems Characterization, 2018, 35, 1700382. | 2.3 | 76 |
| 13 | Swimming Microrobots: Soft, Reconfigurable, and Smart. Advanced Functional Materials, 2018, 28, 1707228. | 14.9 | 154 |
| 14 | Real-Time Force-Feedback Micromanipulation Using Mobile Microrobots With Colored Fiducials. IEEE Robotics and Automation Letters, 2018, 3, 3591-3597. | 5.1 | 15 |
| 15 | Design of Microscale Magnetic Tumbling Robots for Locomotion in Multiple Environments and Complex Terrains. Micromachines, 2018, 9, 68. | 2.9 | 62 |
| 16 | Tumbling Microrobots for Future Medicine. American Scientist, 2018, 106, 210. | 0.1 | 4 |
| 17 | CATALYTIC-BASED PROPELLING AGENTS FOR BIOMEDICAL APPLICATIONS. , 2018, , 43-64. | | 0 |
| 18 | Lightâ€Induced Motion of Microengines Based on Microarrays of TiO<sub>2</sub> Nanotubes. Small, 2016, 12, 5497-5505. | 10.0 | 68 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Microengines: Lightâ€Induced Motion of Microengines Based on Microarrays of TiO<sub>2</sub> Nanotubes (Small 39/2016). Small, 2016, 12, 5508-5508. | 10.0 | 0 |
| 20 | Rapid 3D printing of complex polymeric tubular catalytic micromotors. , 2016, , . | | 7 |
| 21 | Carbonate-based Janus micromotors moving in ultra-light acidic environment generated by HeLa cells in situ. Scientific Reports, 2016, 6, 21701. | 3.3 | 103 |
| 22 | Dynamic Polymeric Microtubes for the Remoteâ€Controlled Capture, Guidance, and Release of Sperm Cells. Advanced Materials, 2016, 28, 4084-4089. | 21.0 | 101 |
| 23 | Wastewater Mediated Activation of Micromotors for Efficient Water Cleaning. Nano Letters, 2016, 16, 817-821. | 9.1 | 142 |
| 24 | How to Improve Spermbot Performance. Advanced Functional Materials, 2015, 25, 2763-2770. | 14.9 | 61 |
| 25 | Photocatalytic properties of TiO2 nanotubes doped with Ag, Au and Pt or covered by Ag, Au and Pt nanodots. Surface Engineering and Applied Electrochemistry, 2015, 51, 3-8. | 0.8 | 18 |
| 26 | Magnetofluidic platform for multidimensional magnetic and optical barcoding of droplets. Lab on A Chip, 2015, 15, 216-224. | 6.0 | 32 |
| 27 | Tubular micromotors: from microjets to spermbots. Robotics and Biomimetics, 2014, 1, . | 1.7 | 31 |
| 28 | Nano/Micromotors in (Bio)chemical Science Applications. Chemical Reviews, 2014, 114, 6285-6322. | 47.7 | 465 |
| 29 | Micromotor Enhanced Microarray Technology for Protein Detection. Small, 2014, 10, 2542-2548. | 10.0 | 105 |
| 30 | Bismuth nanoparticles for phenolic compounds biosensing application. Biosensors and Bioelectronics, 2013, 40, 57-62. | 10.1 | 89 |
| 31 | Micromotor-based lab-on-chip immunoassays. Nanoscale, 2013, 5, 1325-1331. | 5.6 | 146 |
| 32 | Superhydrophobic Alkanethiol-Coated Microsubmarines for Effective Removal of Oil. ACS Nano, 2012, 6, 4445-4451. | 14.6 | 371 |
| 33 | Bacterial Isolation by Lectin-Modified Microengines. Nano Letters, 2012, 12, 396-401. | 9.1 | 300 |
| 34 | Bimetallic nanowires as electrocatalysts for nonenzymatic real-time impedancimetric detection of glucose. Chemical Communications, 2012, 48, 1686-1688. | 4.1 | 64 |
| 35 | Magnetic and electrokinetic manipulations on a microchip device for beadâ€based immunosensing applications. Electrophoresis, 2011, 32, 861-869. | 2.4 | 17 |
| 36 | Bismuth Film Combined with Screenâ€Printed Electrode as Biosensing Platform for Phenol Detection. Electroanalysis, 2010, 22, 1429-1436. | 2.9 | 31 |

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|---|---|---|---|
| 37 | Aptamers based electrochemical biosensor for protein detection using carbon nanotubes platforms. Biosensors and Bioelectronics, 2010, 26, 1715-1718. | 10.1 | 92 |
| 38 | Enzyme entrapment by Î²-cyclodextrin electropolymerization onto a carbon nanotubes-modified screen-printed electrode. Biosensors and Bioelectronics, 2010, 26, 1768-1773. | 10.1 | 52 |
| 39 | Stable and sensitive flow-through monitoring of phenol using a carbon nanotube based screen printed biosensor. Nanotechnology, 2010, 21, 245502. | 2.6 | 15 |
| 40 | Compact microcubic structures platform based on self-assembly Prussian blue nanoparticles with highly tuneable conductivity. Physical Chemistry Chemical Physics, 2010, 12, 15505. | 2.8 | 13 |
| 41 | Structural characterization by confocal laser scanning microscopy and electrochemical study of multi-walled carbon nanotube tyrosinase matrix for phenol detection. Analyst, The, 2010, 135, 1918. | 3.5 | 25 |