

# Sirilak Sattayasamitsathit

## List of Publications by Year in descending order

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44  
papers

5,666  
citations

126907

33  
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233421

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g-index

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all docs

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docs citations

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times ranked

4313  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient Catalytic Microengines: Template Electrosynthesis of Polyaniline/Platinum Microtubes. <i>Journal of the American Chemical Society</i> , 2011, 133, 11862-11864.	13.7	492
2	Functionalized Ultrasound-Propelled Magnetically Guided Nanomotors: Toward Practical Biomedical Applications. <i>ACS Nano</i> , 2013, 7, 9232-9240.	14.6	386
3	Superhydrophobic Alkanethiol-Coated Microsubmarines for Effective Removal of Oil. <i>ACS Nano</i> , 2012, 6, 4445-4451.	14.6	371
4	Magnetically Powered Flexible Metal Nanowire Motors. <i>Journal of the American Chemical Society</i> , 2010, 132, 14403-14405.	13.7	362
5	Water-Driven Micromotors for Rapid Photocatalytic Degradation of Biological and Chemical Warfare Agents. <i>ACS Nano</i> , 2014, 8, 11118-11125.	14.6	316
6	Bacterial Isolation by Lectin-Modified Microengines. <i>Nano Letters</i> , 2012, 12, 396-401.	9.1	300
7	Chemical Sensing Based on Catalytic Nanomotors: Motion-Based Detection of Trace Silver. <i>Journal of the American Chemical Society</i> , 2009, 131, 12082-12083.	13.7	264
8	Self-Propelled Activated Carbon Janus Micromotors for Efficient Water Purification. <i>Small</i> , 2015, 11, 499-506.	10.0	259
9	Rapid Delivery of Drug Carriers Propelled and Navigated by Catalytic Nanoshuttles. <i>Small</i> , 2010, 6, 2741-2747.	10.0	245
10	Ultrasound-Propelled Nanoporous Gold Wire for Efficient Drug Loading and Release. <i>Small</i> , 2014, 10, 4154-4159.	10.0	196
11	Molecularly Imprinted Polymer-Based Catalytic Micromotors for Selective Protein Transport. <i>Journal of the American Chemical Society</i> , 2013, 135, 5336-5339.	13.7	194
12	Micromotor-Based High-Yielding Fast Oxidative Detoxification of Chemical Threats. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13276-13279.	13.8	184
13	Polymer-based tubular microbots: role of composition and preparation. <i>Nanoscale</i> , 2012, 4, 2447.	5.6	150
14	Micromotor-based lab-on-chip immunoassays. <i>Nanoscale</i> , 2013, 5, 1325-1331.	5.6	146
15	Propulsion of nanowire diodes. <i>Chemical Communications</i> , 2010, 46, 1623.	4.1	143
16	Nanomotor lithography. <i>Nature Communications</i> , 2014, 5, 5026.	12.8	141
17	Template electrosynthesis of tailored-made helical nanoswimmers. <i>Nanoscale</i> , 2014, 6, 9415-9420.	5.6	138
18	Bubble-Propelled Micromotors for Enhanced Transport of Passive Tracers. <i>Langmuir</i> , 2014, 30, 5082-5087.	3.5	136

#	ARTICLE	IF	CITATIONS
19	Hybrid Nanomotor: A Catalytically/Magnetically Powered Adaptive Nanowire Swimmer. <i>Small</i> , 2011, 7, 2047-2051.	10.0	132
20	Self-Propelled Carbohydrate-Sensitive Microtransporters with Built-In Boronic Acid Recognition for Isolating Sugars and Cells. <i>Journal of the American Chemical Society</i> , 2012, 134, 15217-15220.	13.7	125
21	Multifunctional Silver-Exchanged Zeolite Micromotors for Catalytic Detoxification of Chemical and Biological Threats. <i>Advanced Functional Materials</i> , 2015, 25, 2147-2155.	14.9	117
22	Catalytically propelled micro/nanomotors: how fast can they move?. <i>Chemical Record</i> , 2012, 12, 224-231.	5.8	100
23	Fully Loaded Micromotors for Combinatorial Delivery and Autonomous Release of Cargoes. <i>Small</i> , 2014, 10, 2830-2833.	10.0	81
24	Highly ordered multilayered 3D graphene decorated with metal nanoparticles. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1639-1645.	10.3	76
25	Shape-Tailored Porous Gold Nanowires: From Nano Barbells to Nano Step-Cones. <i>ACS Nano</i> , 2007, 1, 403-408.	14.6	62
26	Fabrication of Nanoporous Copper Film for Electrochemical Detection of Glucose. <i>Electroanalysis</i> , 2009, 21, 2371-2377.	2.9	58
27	Efficient bubble propulsion of polymer-based microengines in real-life environments. <i>Nanoscale</i> , 2013, 5, 8909.	5.6	54
28	Micromotors to capture and destroy anthrax simulatant spores. <i>Analyst, The</i> , 2015, 140, 1421-1427.	3.5	53
29	Multiplexed immunoassay based on micromotors and microscale tags. <i>Lab on A Chip</i> , 2014, 14, 3505.	6.0	49
30	Tunable hierarchical macro/mesoporous gold microwires fabricated by dual-templating and dealloying processes. <i>Nanoscale</i> , 2013, 5, 7849.	5.6	40
31	Dual-enzyme natural motors incorporating decontamination and propulsion capabilities. <i>RSC Advances</i> , 2014, 4, 27565-27570.	3.6	40
32	Simplified Cost-Effective Preparation of High-Performance Ag-Pt Nanowire Motors. <i>ChemPhysChem</i> , 2010, 11, 2802-2805.	2.1	39
33	Highly ordered tailored three-dimensional hierarchical nano/microporous gold-carbon architectures. <i>Journal of Materials Chemistry</i> , 2012, 22, 11950.	6.7	33
34	Bismuth Film Electrode for Analysis of Tetracycline in Flow Injection System. <i>Electroanalysis</i> , 2007, 19, 502-505.	2.9	28
35	Self-propelled chemically-powered plant-tissue biomotors. <i>Chemical Communications</i> , 2013, 49, 7307.	4.1	23
36	Striped Alloy Nanowire Optical Reflectance Barcodes Prepared from a Single Plating Solution. <i>Small</i> , 2008, 4, 597-600.	10.0	22

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37	Highly dispersed Pt nanoparticle-modified 3D porous carbon: A metallized carbon electrode material. <i>Electrochemistry Communications</i> , 2011, 13, 856-860.	4.7	21
38	Orthogonal Identification of Gunshot Residue with Complementary Detection Principles of Voltammetry, Scanning Electron Microscopy, and Energy-Dispersive X-ray Spectroscopy: Sample, Screen, and Confirm. <i>Analytical Chemistry</i> , 2014, 86, 8031-8036.	6.5	21
39	Alloy Nanowires Bar Codes Based on Nondestructive X-ray Fluorescence Readout. <i>Analytical Chemistry</i> , 2007, 79, 7571-7575.	6.5	20
40	Polymer end-group mediated synthesis of well-defined catalytically active platinum nanoparticles. <i>Journal of Materials Chemistry</i> , 2011, 21, 15788.	6.7	14
41	High-Power Low-Cost Tissue-Based Biofuel Cell. <i>Electroanalysis</i> , 2013, 25, 838-844.	2.9	4
42	Improved oxygen reduction reaction activities with amino acid R group functionalized PEG at platinum surfaces. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10267.	10.3	4
43	Materials Chemistry for Sustainability and Energy. <i>Journal of Chemistry</i> , 2014, 2014, 1-3.	1.9	1
44	A Green and Biocompatible Magnetically Powered Nickel-Flagella Nanomotor. <i>Chemistry Letters</i> , 2015, 44, 300-302.	1.3	1