

# Laurence Ressler

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,294  
citations

430874

18  
h-index

361022

35  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1805  
citing authors

#	ARTICLE	IF	CITATIONS
1	Versatile, rapid and robust nano-positioning of single-photon emitters by AFM-nanoxerography. <i>Nanotechnology</i> , 2022, 33, 215301.	2.6	6
2	Synthesis of hybrid colloidal nanoparticles for a generic approach to 3D electrostatic directed assembly: Application to anti-counterfeiting. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 1243-1250.	9.4	15
3	“All in One” Epoxy-Based Microfluidic Chips at Your Fingertips. <i>ACS Applied Polymer Materials</i> , 2021, 3, 801-810.	4.4	8
4	Micropatterning of Adhesive Epoxy with Embedded Colloidal Quantum Dots for Authentication and Tracing. <i>ACS Applied Nano Materials</i> , 2021, 4, 3537-3544.	5.0	3
5	Electrostatic Directed Assembly of Colloidal Microparticles Assisted by Convective Flow. <i>Journal of Physical Chemistry C</i> , 2019, 123, 783-790.	3.1	8
6	Single-Step Binary Electrostatic Directed Assembly of Active Nanogels for Smart Concentration-Dependent Encryption. <i>Langmuir</i> , 2018, 34, 1557-1563.	3.5	13
7	Towards wireless highly sensitive capacitive strain sensors based on gold colloidal nanoparticles. <i>Nanoscale</i> , 2018, 10, 10479-10487.	5.6	27
8	Interactive Nanogel Marking at the Microscale for Security and Traceability Applications. <i>Advanced Materials Technologies</i> , 2018, 3, 1700244.	5.8	6
9	Plasmonic photocapacitance of self-assembled gold colloidal nanoparticle monolayers. <i>Materials Today Nano</i> , 2018, 4, 38-45.	4.6	5
10	Smartphone-Identifiable Photoluminescent Nanoparticle-Based Multilevel Secured Tags by Electrical Microcontact Printing. <i>ACS Applied Nano Materials</i> , 2018, 1, 5936-5943.	5.0	6
11	Combinatorial Particle Patterning by Nanoxerography. <i>Advanced Functional Materials</i> , 2018, 28, 1801075.	14.9	15
12	Flexible transparent sensors from reduced graphene oxide micro-stripes fabricated by convective self-assembly. <i>Carbon</i> , 2017, 113, 361-370.	10.3	20
13	Electro-mechanical sensing in freestanding monolayered gold nanoparticle membranes. <i>Nanoscale</i> , 2016, 8, 11363-11370.	5.6	17
14	Plasmonic photo-current in freestanding monolayered gold nanoparticle membranes. <i>Nanoscale</i> , 2016, 8, 16162-16167.	5.6	12
15	Tunneling mechanism and contact mechanics of colloidal nanoparticle assemblies. <i>Nanotechnology</i> , 2016, 27, 475502.	2.6	2
16	Influence of the Humidity on Nanoparticle-Based Resistive Strain Gauges. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5848-5854.	3.1	10
17	A transparent flexible z-axis sensitive multi-touch panel based on colloidal ITO nanocrystals. <i>Nanoscale</i> , 2015, 7, 12631-12640.	5.6	15
18	Directed Assembly of Single Colloidal Gold Nanowires by AFM Nanoxerography. <i>Langmuir</i> , 2015, 31, 4106-4112.	3.5	15

#	ARTICLE	IF	CITATIONS
19	Electron transport within transparent assemblies of tin-doped indium oxide colloidal nanocrystals. <i>Nanotechnology</i> , 2015, 26, 335702.	2.6	10
20	Surface-enhanced spectroscopy on plasmonic oligomers assembled by AFM nanoxerography. <i>Nanoscale</i> , 2015, 7, 2009-2022.	5.6	17
21	Directed Assembly of Living <i>Pseudomonas aeruginosa</i> Bacteria on PEI Patterns Generated by Nanoxerography for Statistical AFM Bioexperiments. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 21230-21236.	8.0	15
22	Small angle X-ray scattering coupled with in situ electromechanical probing of nanoparticle-based resistive strain gauges. <i>Nanoscale</i> , 2014, 6, 15107-15116.	5.6	19
23	Dynamics of Dielectrophoretic-Force-Directed Assembly of NaYF <sub>4</sub> Colloidal Nanocrystals into Tunable Multilayered Micropatterns. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2988-2993.	4.6	12
24	High-throughput fabrication of anti-counterfeiting colloid-based photoluminescent microtags using electrical nanoimprint lithography. <i>Nanotechnology</i> , 2014, 25, 345302.	2.6	24
25	3D assembly of upconverting NaYF <sub>4</sub> nanocrystals by AFM nanoxerography: creation of anti-counterfeiting microtags. <i>Nanoscale</i> , 2013, 5, 9587.	5.6	84
26	Stimuli-responsive gold nanohybrids: chemical synthesis and electrostatic directed assembly on surfaces by AFM nanoxerography. <i>Gold Bulletin</i> , 2013, 46, 267-274.	2.4	3
27	Nanoparticle-Based Strain Gauges Fabricated by Convective Self Assembly: Strain Sensitivity and Hysteresis with Respect to Nanoparticle Sizes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1935-1940.	3.1	90
28	Electron transport in gold colloidal nanoparticle-based strain gauges. <i>Nanotechnology</i> , 2013, 24, 095701.	2.6	67
29	Effect of film thickness on the dielectric properties and charge storage in PMMA thin films. , 2013, , .		0
30	Microarrays of gold nanoparticle clusters fabricated by Stop&Go convective self-assembly for SERS-based sensor chips. <i>Nanoscale</i> , 2012, 4, 7870-7877.	5.6	25
31	Electrical nano-imprint lithography. <i>Nanotechnology</i> , 2012, 23, 255302.	2.6	18
32	Monolayered Wires of Gold Colloidal Nanoparticles for High-Sensitivity Strain Sensing. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14494-14499.	3.1	104
33	Quantification of the electrostatic forces involved in the directed assembly of colloidal nanoparticles by AFM nanoxerography. <i>Nanotechnology</i> , 2011, 22, 325603.	2.6	24
34	Assembly of live micro-organisms on microstructured PDMS stamps by convective/capillary deposition for AFM bio-experiments. <i>Nanotechnology</i> , 2011, 22, 395102.	2.6	59
35	High-Sensitivity Strain Gauge Based on a Single Wire of Gold Nanoparticles Fabricated by Stop-and-Go Convective Self-Assembly. <i>ACS Nano</i> , 2011, 5, 7137-7143.	14.6	146
36	Coulomb Force Directed Single and Binary Assembly of Nanoparticles from Aqueous Dispersions by AFM Nanoxerography. <i>ACS Nano</i> , 2011, 5, 4228-4235.	14.6	50

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37	Control of the catalytic properties and directed assembly on surfaces of MADIX/RAFT polymer-coated gold nanoparticles by tuning polymeric shell charge. <i>Journal of Materials Chemistry</i> , 2010, 20, 9433.	6.7	37
38	Numerical simulations for a quantitative analysis of AFM electrostatic nanopatterning on PMMA by Kelvin force microscopy. <i>Nanotechnology</i> , 2010, 21, 225706.	2.6	48
39	Tunable Conductive Nanoparticle Wire Arrays Fabricated by Convective Self-Assembly on Nonpatterned Substrates. <i>ACS Nano</i> , 2010, 4, 7275-7282.	14.6	68
40	Tunable Pyramidal Assemblies of Nanoparticles by Convective/Capillary Deposition on Hydrophilic Patterns Made by AFM Oxidation Lithography. <i>Langmuir</i> , 2010, 26, 4631-4634.	3.5	8
41	99% random telegraph signal-like noise in gold nanoparticle $\hat{1}/4$ -stripes. <i>Nanotechnology</i> , 2009, 20, 355303.	2.6	13
42	How to Control AFM Nanoxerography for the Templated Monolayered Assembly of 2 nm Colloidal Gold Nanoparticles. <i>IEEE Nanotechnology Magazine</i> , 2009, 8, 487-491.	2.0	22
43	Electrostatic nanopatterning of PMMA by AFM charge writing for directed nano-assembly. <i>Nanotechnology</i> , 2008, 19, 135301.	2.6	54
44	Combining Convective/Capillary Deposition and AFM Oxidation Lithography for Close-Packed Directed Assembly of Colloids. <i>Langmuir</i> , 2008, 24, 13254-13257.	3.5	10
45	Control of micro- and nanopatterns of octadecyltrimethoxysilane monolayers using nanoimprint lithography and atmospheric chemical vapor deposition. <i>Journal of Vacuum Science &amp; Technology B</i> , 2007, 25, 17.	1.3	13
46	Chemical patterns of octadecyltrimethoxysilane monolayers for the selective deposition of nanoparticles on silicon substrate. <i>Ultramicroscopy</i> , 2007, 107, 980-984.	1.9	7
47	Fabrication of planar cobalt electrodes separated by a sub-10nm gap using high resolution electron beam lithography with negative PMMA. <i>Ultramicroscopy</i> , 2007, 107, 985-988.	1.9	12
48	Selective deposition of gold nanoparticles using Van der Waals interactions. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 276-278.	0.8	4
49	Atomic force microscopy study of micrometric pattern replica by hot embossing lithography. <i>Microelectronic Engineering</i> , 2004, 71, 272-276.	2.4	20
50	Co nanoelectrodes for the study of spin dependent transport through nano-objects. <i>Superlattices and Microstructures</i> , 2004, 36, 271-279.	3.1	2
51	Elaboration of $1\hat{A} \hat{1}/4m$ square arrays of octadecyltrimethoxysilane monolayers on SiO <sub>2</sub> /Si by combining chemical vapour deposition and nano-imprint lithography. <i>Superlattices and Microstructures</i> , 2004, 36, 227-233.	3.1	4
52	Fabrication of nanodevices for magneto-transport measurements through nanoparticles. <i>Microelectronic Engineering</i> , 2004, 73-74, 627-631.	2.4	2