

Yiping Zhao

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324
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346
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14,381
ext. citations

4.6
avg, IF

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L-index

#	Paper	IF	Citations
324	Rapid and sensitive detection of respiratory virus molecular signatures using a silver nanorod array SERS substrate. <i>Nano Letters</i> , 2006 , 6, 2630-6	11.5	514
323	Photoelectrochemical Study of Nanostructured ZnO Thin Films for Hydrogen Generation from Water Splitting. <i>Advanced Functional Materials</i> , 2009 , 19, 1849-1856	15.6	389
322	Aligned silver nanorod arrays produce high sensitivity surface-enhanced Raman spectroscopy substrates. <i>Applied Physics Letters</i> , 2005 , 87, 031908	3.4	356
321	Novel nanostructures for SERS biosensing. <i>Nano Today</i> , 2008 , 3, 31-37	17.9	351
320	Photoelectrochemical water splitting using dense and aligned TiO ₂ nanorod arrays. <i>Small</i> , 2009 , 5, 104-111	11.1	344
319	Ultrafast optical switching properties of single-wall carbon nanotube polymer composites at 1.55 μ m. <i>Applied Physics Letters</i> , 2002 , 81, 975-977	3.4	338
318	Autonomously motile catalytic nanomotors by bubble propulsion. <i>Applied Physics Letters</i> , 2009 , 94, 1631-1634	3.4	271
317	Novel Nano-Column and Nano-Flower Arrays by Glancing Angle Deposition. <i>Nano Letters</i> , 2002 , 2, 351-354	4.5	221
316	The Use of Aligned Silver Nanorod Arrays Prepared by Oblique Angle Deposition as Surface Enhanced Raman Scattering Substrates. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 895-901	3.8	220
315	Thickness dependent electrical resistivity of ultrathin (λ). <i>Thin Solid Films</i> , 2001 , 384, 151-156	2.2	192
314	Scaling during shadowing growth of isolated nanocolumns. <i>Physical Review B</i> , 2003 , 68,	3.3	170
313	Visible-Light-Activated Bactericidal Functions of Carbon "Quantum" Dots. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 10761-6	9.5	160
312	Surface-roughness effect on capacitance and leakage current of an insulating film. <i>Physical Review B</i> , 1999 , 60, 9157-9164	3.3	154
311	Synthesis and Characterization of Thickness-Aligned Carbon Nanotube/Polymer Composite Films. <i>Chemistry of Materials</i> , 2005 , 17, 974-983	9.6	140
310	Designing nanostructures by glancing angle deposition 2003 ,		140
309	Effect of surface roughness on magnetic domain wall thickness, domain size, and coercivity. <i>Journal of Applied Physics</i> , 2001 , 89, 1325-1330	2.5	132
308	Silver Nanorod Array Substrates Fabricated by Oblique Angle Deposition: Morphological, Optical, and SERS Characterizations. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 8176-8183	3.8	131

307	Acceleration of tissue plasminogen activator-mediated thrombolysis by magnetically powered nanomotors. <i>ACS Nano</i> , 2014 , 8, 7746-54	16.7	126
306	Silver nanorod arrays as a surface-enhanced Raman scattering substrate for foodborne pathogenic bacteria detection. <i>Applied Spectroscopy</i> , 2008 , 62, 922-31	3.1	126
305	Polarized surface enhanced Raman and absorbance spectra of aligned silver nanorod arrays. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 3153-7	3.4	124
304	Nanocarpent Effect: Pattern Formation during the Wetting of Vertically Aligned Nanorod Arrays. <i>Nano Letters</i> , 2004 , 4, 2133-2138	11.5	120
303	Surface roughening in shadowing growth and etching in 2+1 dimensions. <i>Physical Review B</i> , 2000 , 62, 2118-2125	3.3	119
302	Quasi-core-shell TiO ₂ /WO ₃ and WO ₃ /TiO ₂ nanorod arrays fabricated by glancing angle deposition for solar water splitting. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10792		118
301	Designing catalytic nanomotors by dynamic shadowing growth. <i>Nano Letters</i> , 2007 , 7, 1369-75	11.5	118
300	Identification and classification of respiratory syncytial virus (RSV) strains by surface-enhanced Raman spectroscopy and multivariate statistical techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 390, 1551-5	4.4	108
299	Flexible and mechanical strain resistant large area SERS active substrates. <i>Nanoscale</i> , 2012 , 4, 3410-4	7.7	100
298	Fe ₂ O ₃ nanocolumns and nanorods fabricated by electron beam evaporation for visible light photocatalytic and antimicrobial applications. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2085-95	9.5	95
297	Bubble driven quasioscillatory translational motion of catalytic micromotors. <i>Physical Review Letters</i> , 2012 , 109, 128305	7.4	91
296	Label-free detection of micro-RNA hybridization using surface-enhanced Raman spectroscopy and least-squares analysis. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12889-92	16.4	87
295	The surface-enhanced Raman spectra of aflatoxins: spectral analysis, density functional theory calculation, detection and differentiation. <i>Analyst, The</i> , 2012 , 137, 4226-34	5	85
294	Growth-front roughening in amorphous silicon films by sputtering. <i>Physical Review B</i> , 2001 , 64,	3.3	85
293	Mechanisms for plasma and reactive ion etch-front roughening. <i>Physical Review B</i> , 2000 , 61, 3012-3021	3.3	84
292	Design and characterization of rotational multicomponent catalytic nanomotors. <i>Small</i> , 2009 , 5, 2304-8	11	83
291	Kinetic roughening in polymer film growth by vapor deposition. <i>Physical Review Letters</i> , 2000 , 85, 3229-324		83
290	Optical injection probing of single ZnO tetrapod lasers. <i>Chemical Physics Letters</i> , 2005 , 404, 171-176	2.5	82

289	Enhanced Photocatalytic Activity by Aligned WO ₃ /TiO ₂ Two-Layer Nanorod Arrays. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 19635-19641	3.8	81
288	A high sensitive fiber SERS probe based on silver nanorod arrays. <i>Optics Express</i> , 2007 , 15, 12230-9	3.3	80
287	Noise-induced roughening evolution of amorphous Si films grown by thermal evaporation. <i>Physical Review Letters</i> , 1996 , 76, 3774-3777	7.4	79
286	Detection and differentiation of foodborne pathogenic bacteria in mung bean sprouts using field deployable label-free SERS devices. <i>Analyst, The</i> , 2013 , 138, 3005-12	5	78
285	Superior photocatalytic performance by vertically aligned core-shell TiO ₂ /WO ₃ nanorod arrays. <i>Catalysis Communications</i> , 2009 , 10, 1117-1121	3.2	78
284	Roughening in Plasma Etch Fronts of Si(100). <i>Physical Review Letters</i> , 1999 , 82, 4882-4885	7.4	78
283	An ultrasensitive SERS sensor for simultaneous detection of multiple cancer-related miRNAs. <i>Nanoscale</i> , 2016 , 8, 17365-17373	7.7	78
282	Rapid and sensitive detection of rotavirus molecular signatures using surface enhanced Raman spectroscopy. <i>PLoS ONE</i> , 2010 , 5, e10222	3.7	75
281	Surface/interface-roughness-induced demagnetizing effect in thin magnetic films. <i>Physical Review B</i> , 1999 , 60, 1216-1226	3.3	75
280	Free standing aluminum nanostructures as anodes for Li-ion rechargeable batteries. <i>Journal of Power Sources</i> , 2010 , 195, 3333-3337	8.9	74
279	Clusters of bundled nanorods in nanocarpet effect. <i>Applied Physics Letters</i> , 2006 , 88, 103123	3.4	72
278	Water contact angles of vertically aligned Si nanorod arrays. <i>Nanotechnology</i> , 2004 , 15, 501-504	3.4	72
277	Advanced multi-component nanostructures designed by dynamic shadowing growth. <i>Nanoscale</i> , 2011 , 3, 2361-75	7.7	69
276	Absorbance spectra of aligned Ag nanorod arrays prepared by oblique angle deposition. <i>Journal of Applied Physics</i> , 2006 , 100, 063527	2.5	69
275	Ag nanoparticle embedded TiO ₂ composite nanorod arrays fabricated by oblique angle deposition: toward plasmonic photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 11818-27	9.5	68
274	Multilayered Si/Ni nanosprings and their magnetic properties. <i>Small</i> , 2007 , 3, 153-60	11	68
273	Catalytic nanomotors: fabrication, mechanism, and applications. <i>Frontiers of Materials Science</i> , 2011 , 5, 25-39	2.5	67
272	Gold-coated nanorod arrays as highly sensitive substrates for surface-enhanced raman spectroscopy. <i>Langmuir</i> , 2008 , 24, 14172-5	4	67

271	Angle dependent surface enhanced Raman scattering obtained from a Ag nanorod array substrate. <i>Applied Physics Letters</i> , 2006 , 89, 173134	3.4	67
270	Sampling-induced hidden cycles in correlated random rough surfaces. <i>Physical Review B</i> , 1997 , 56, 4224-4232	3.3	66
269	Carbon-Assisted Growth of SiO _x Nanowires. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 17032-17041	3.4	66
268	Tunable three-dimensional helically stacked plasmonic layers on nanosphere monolayers. <i>Nano Letters</i> , 2014 , 14, 1976-81	11.5	65
267	Bubble-Propelled Microjets: Model and Experiment. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 4657-4665	3.5	65
266	Geometrically designing the kinematic behavior of catalytic nanomotors. <i>Nano Letters</i> , 2011 , 11, 2543-50	11.5	65
265	Fabrication and characterization of a multiwell array SERS chip with biological applications. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 3663-70	11.8	65
264	The effect of Ag nanoparticle loading on the photocatalytic activity of TiO ₂ nanorod arrays. <i>Chemical Physics Letters</i> , 2010 , 485, 171-175	2.5	64
263	An Au/Si hetero-nanorod-based biosensor for Salmonella detection. <i>Nanotechnology</i> , 2008 , 19, 155502	3.4	64
262	Tissue Plasminogen Activator-Porous Magnetic Microrods for Targeted Thrombolytic Therapy after Ischemic Stroke. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 32988-32997	9.5	64
261	Magnetic properties of Co nanocolumns fabricated by oblique-angle deposition. <i>Journal of Applied Physics</i> , 2003 , 93, 4194-4200	2.5	63
260	Effect of surface roughness on magnetization reversal of Co films on plasma-etched Si(100) substrates. <i>Journal of Applied Physics</i> , 1998 , 83, 6287-6289	2.5	61
259	Manipulating the column tilt angles of nanocolumnar films by glancing-angle deposition. <i>Nanotechnology</i> , 2002 , 13, 615-618	3.4	57
258	Numerical analysis of the noisy Kuramoto-Sivashinsky equation in 2+1 dimensions. <i>Physical Review E</i> , 1999 , 59, 177-185	2.4	57
257	Effects of composition-dependent modulus, finite concentration and boundary constraint on Li-ion diffusion and stresses in a bilayer Cu-coated Si nano-anode. <i>Journal of Power Sources</i> , 2012 , 204, 168-176	8.9	56
256	Oblique angle deposition and its applications in plasmonics. <i>Frontiers of Physics</i> , 2014 , 9, 47-59	3.7	56
255	Ultrafast Upconversion Probing of Lasing Dynamics in Single ZnO Nanowire Lasers. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 1679-1684	3.8	56
254	Differentiation and classification of bacteria using vancomycin functionalized silver nanorods array based surface-enhanced Raman spectroscopy and chemometric analysis. <i>Talanta</i> , 2015 , 139, 96-103	6.2	55

253	Catalytic Nanoshell Micromotors. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 21590-21596	3.8	55
252	Self-organized multiconstituent catalytic nanomotors. <i>Small</i> , 2010 , 6, 1656-62	11	55
251	Near-Infrared Laser-Induced Photothermal Coloration in WO ₃ ·H ₂ O Nanoflakes. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 61-68	3.8	55
250	Rapid and sensitive detection of sodium saccharin in soft drinks by silver nanorod array SERS substrates. <i>Sensors and Actuators B: Chemical</i> , 2017 , 251, 272-279	8.5	54
249	Quantitative surface-enhanced Raman spectroscopy based analysis of microRNA mixtures. <i>Applied Spectroscopy</i> , 2009 , 63, 1107-14	3.1	54
248	Optical and dielectric properties of ZnO tetrapod structures at terahertz frequencies. <i>Applied Physics Letters</i> , 2006 , 89, 031107	3.4	52
247	Aligned silver nanorod arrays as substrates for surface-enhanced infrared absorption spectroscopy. <i>Applied Spectroscopy</i> , 2006 , 60, 906-13	3.1	52
246	Qualitative and quantitative determination of melamine by surface-enhanced Raman spectroscopy using silver nanorod array substrates. <i>Applied Spectroscopy</i> , 2010 , 64, 781-5	3.1	51
245	Diffraction from diffusion-barrier-induced mound structures in epitaxial growth fronts. <i>Physical Review B</i> , 1998 , 57, 1922-1934	3.3	51
244	Optical properties of helical Ag nanostructures calculated by discrete dipole approximation method. <i>Applied Physics Letters</i> , 2007 , 90, 221501	3.4	51
243	Electrical conductivity and thin-film growth dynamics. <i>Physical Review B</i> , 2000 , 61, 11109-11117	3.3	51
242	Detection of metronidazole and ronidazole from environmental samples by surface enhanced Raman spectroscopy. <i>Talanta</i> , 2014 , 128, 293-8	6.2	50
241	Surface Enhanced Raman Scattering from an Ag Nanorod Array Substrate: The Site Dependent Enhancement and Layer Absorbance Effect. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9664-9669	3.8	50
240	Tuning the Cu _x O nanorod composition for efficient visible light induced photocatalysis. <i>Catalysis Science and Technology</i> , 2016 , 6, 2228-2238	5.5	49
239	Culture-free diagnostics of Pseudomonas aeruginosa infection by silver nanorod array based SERS from clinical sputum samples. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 1863-70	6	49
238	On-chip ultra-thin layer chromatography and surface enhanced Raman spectroscopy. <i>Lab on A Chip</i> , 2012 , 12, 3096-102	7.2	49
237	Enhanced surface-enhanced Raman scattering performance by folding silver nanorods. <i>Applied Physics Letters</i> , 2012 , 100, 113101	3.4	49
236	Growth front roughening in silicon nitride films by plasma-enhanced chemical vapor deposition. <i>Physical Review B</i> , 2002 , 66,	3.3	49

235	Hidden chirality in superficially racemic patchy silver films. <i>Nano Letters</i> , 2013 , 13, 6228-32	11.5	48
234	Silicon and silicon-copper composite nanorods for anodes of Li-ion rechargeable batteries. <i>Journal of Power Sources</i> , 2011 , 196, 9640-9647	8.9	48
233	Detection of Mycoplasma pneumoniae in simulated and true clinical throat swab specimens by nanorod array-surface-enhanced Raman spectroscopy. <i>PLoS ONE</i> , 2010 , 5, e13633	3.7	48
232	Asymmetric Pt/Au coated catalytic micromotors fabricated by dynamic shadowing growth. <i>Applied Physics Letters</i> , 2010 , 97, 253107	3.4	48
231	Scalable Fabrication of Composite Ti/Ag Plasmonic Helices: Controlling Morphology and Optical Activity by Tailoring Material Properties. <i>Advanced Optical Materials</i> , 2014 , 2, 245-249	8.1	46
230	Ultrafast wavelength-dependent lasing-time dynamics in single ZnO nanotetrapod and nanowire lasers. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 15749-53	3.4	46
229	Nanostructured Scrolls from Graphene Oxide for Microjet Engines. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 2204-8	6.4	45
228	XPS and AFM study of chemical mechanical polishing of silicon nitride. <i>Thin Solid Films</i> , 1998 , 333, 219-223	2.2	45
227	Embedding Ag Nanoparticles into MgF ₂ Nanorod Arrays. <i>Advanced Functional Materials</i> , 2008 , 18, 1676-1684	1.9	45
226	Development of silver nanorod array based fiber optic probes for SERS detection. <i>Sensors and Actuators B: Chemical</i> , 2011 , 157, 42-50	8.5	44
225	The effect of underlayer thin films on the surface-enhanced Raman scattering response of Ag nanorod substrates. <i>Applied Physics Letters</i> , 2010 , 97, 121902	3.4	43
224	Surface-enhanced Raman scattering from helical silver nanorod arrays. <i>Chemical Communications</i> , 2011 , 47, 4466-8	5.8	42
223	Optimization of Ag-Coated Polystyrene Nanosphere Substrates for Quantitative Surface-Enhanced Raman Spectroscopy Analysis. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 27639-27648	3.8	41
222	Direct detection of malaria infected red blood cells by surface enhanced Raman spectroscopy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 1445-51	6	41
221	Gold-modified silver nanorod arrays: growth dynamics and improved SERS properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 1150-1159		41
220	Optical and photocatalytic properties of oblique angle deposited TiO ₂ nanorod array. <i>Journal of Vacuum Science & Technology B</i> , 2008 , 26, 1350		41
219	Structural and optical characterization of WO ₃ nanorods/films prepared by oblique angle deposition. <i>Journal of Vacuum Science & Technology B</i> , 2007 , 25, 1875		40
218	Interfacing SH-SY5Y human neuroblastoma cells with SU-8 microstructures. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006 , 52, 14-21	6	40

217	Magnetically active Fe ₃ O ₄ nanorods loaded with tissue plasminogen activator for enhanced thrombolysis. <i>Nano Research</i> , 2016 , 9, 2652-2661	10	39
216	Infectious Agent Detection With SERS-Active Silver Nanorod Arrays Prepared by Oblique Angle Deposition. <i>IEEE Sensors Journal</i> , 2008 , 8, 863-870	4	39
215	Optical Properties and Biosensor Application of Ultrathin Silver Films Prepared by Oblique Angle Deposition. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 16784-16791	3.8	39
214	The effect of Ti doping on the growth of Mg nanostructures by oblique angle codeposition. <i>Applied Physics Letters</i> , 2008 , 92, 063107	3.4	39
213	Glancing angle deposition meets colloidal lithography: a new evolution in the design of nanostructures. <i>Nanophotonics</i> , 2018 , 8, 1-26	6.3	39
212	Fe ₂ O ₃ @TiO ₂ core-shell nanorod arrays for visible light photocatalytic applications. <i>Catalysis Today</i> , 2016 , 270, 51-58	5.3	38
211	Superior dye adsorption capacity of amorphous WO ₃ sub-micrometer rods fabricated by glancing angle deposition. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 911-914	13	38
210	Novel growth mechanism of single crystalline Cu nanorods by electron beam irradiation. <i>Nanotechnology</i> , 2004 , 15, 218-222	3.4	38
209	Extinction spectra and electrical field enhancement of Ag nanorods with different topologic shapes. <i>Journal of Applied Physics</i> , 2007 , 102, 113308	2.5	37
208	Mechanical characteristics of nanoscale springs. <i>Journal of Applied Physics</i> , 2004 , 95, 267-271	2.5	36
207	Highly Sensitive and Transparent Surface Enhanced Raman Scattering Substrates Made by Active Coldly Condensed Ag Nanorod Arrays. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 20550-20557	3.8	35
206	Ultrafast Charge Transfer Dynamics in Polycrystalline CdSe/TiO ₂ Nanorods Prepared by Oblique Angle Codeposition. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 5033-5041	3.8	35
205	Limitation of a localized surface plasmon resonance sensor for Salmonella detection. <i>Sensors and Actuators B: Chemical</i> , 2009 , 141, 276-283	8.5	35
204	Revisiting the separation dependent surface enhanced Raman scattering. <i>Applied Physics Letters</i> , 2008 , 93, 173106	3.4	35
203	Optical properties of helical and multiring Ag nanostructures: The effect of pitch height. <i>Journal of Applied Physics</i> , 2008 , 104, 013517	2.5	34
202	Improved thermal stability of cellulose nanofibrils using low-concentration alkaline pretreatment. <i>Carbohydrate Polymers</i> , 2018 , 181, 506-513	10.3	33
201	Detection of E. coli using SERS active filters with silver nanorod array. <i>Sensors and Actuators B: Chemical</i> , 2014 , 191, 485-490	8.5	33
200	On the role of the three-phase contact line in surface deformation. <i>Langmuir</i> , 2012 , 28, 5795-801	4	33

199	Structural, Optical, and Photocatalytic Properties of Cr:TiO ₂ Nanorod Array Fabricated by Oblique Angle Codeposition. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 16892-16903	3.8	33
198	Diffraction from non-Gaussian rough surfaces. <i>Physical Review B</i> , 1997 , 55, 13938-13952	3.3	33
197	Simple model for surface-enhanced Raman scattering from tilted silver nanorod array substrates. <i>Physical Review B</i> , 2008 , 78,	3.3	33
196	Tuning the optical absorption properties of Ag nanorods by their topologic shapes: A discrete dipole approximation calculation. <i>Applied Physics Letters</i> , 2006 , 89, 023110	3.4	32
195	Chemical interactions at Ta/fluorinated polymer buried interfaces. <i>Applied Physics Letters</i> , 1998 , 72, 1846-1847	3.2	32
194	Plasmonic sensor with high figure of merit based on differential polarization spectra of elliptical nanohole array. <i>Nanoscale</i> , 2017 , 9, 14710-14721	7.7	31
193	Nanocarpet effect induced superhydrophobicity. <i>Langmuir</i> , 2010 , 26, 8245-50	4	31
192	Ag-SiO ₂ core-shell nanorod arrays: morphological, optical, SERS, and wetting properties. <i>Langmuir</i> , 2012 , 28, 1488-95	4	30
191	Morphology transition during low-pressure chemical vapor deposition. <i>Physical Review Letters</i> , 2001 , 87, 136102	7.4	30
190	Frequency-dependent electrical transport in carbon nanotubes. <i>Physical Review B</i> , 2001 , 64,	3.3	30
189	Engineering a Well-Aligned Composition-Graded CuSi Nanorod Array by an Oblique Angle Codeposition Technique. <i>Crystal Growth and Design</i> , 2010 , 10, 4954-4958	3.5	29
188	Optical properties of nanostructured TiO ₂ thin films and their application as antireflection coatings on infrared detectors. <i>Optics Letters</i> , 2012 , 37, 4302-4	3	29
187	Characterization of random rough surfaces by in-plane light scattering. <i>Journal of Applied Physics</i> , 1998 , 84, 2571-2582	2.5	29
186	Detection and differentiation of avian mycoplasmas by surface-enhanced Raman spectroscopy based on a silver nanorod array. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 1930-5	4.8	28
185	Spreading of a water droplet on a vertically aligned Si nanorod array surface. <i>Applied Physics Letters</i> , 2007 , 90, 013102	3.4	28
184	The fabrication of three-dimensional plasmonic chiral structures by dynamic shadowing growth. <i>Nanoscale</i> , 2014 , 6, 9467-76	7.7	27
183	Characterization of watermarks formed in nano-carpet effect. <i>Langmuir</i> , 2006 , 22, 3662-71	4	27
182	Roughness effects on magnetic properties of thin films. <i>Physica B: Condensed Matter</i> , 2000 , 283, 199-202	2.8	27

181	Self-Diffusiophoresis of Janus Catalytic Micromotors in Confined Geometries. <i>Langmuir</i> , 2016 , 32, 5580-92	27
180	On-demand fabrication of surface-enhanced Raman scattering arrays by pen writing, and their application to the determination of melamine in milk. <i>Mikrochimica Acta</i> , 2017 , 184, 2909-2917	5.8 26
179	Circular dichroism based refractive index sensing using chiral metamaterials. <i>Chemical Communications</i> , 2016 , 52, 2047-50	5.8 25
178	Nanostructured homogenous CdSe@TiO ₂ composite visible light photoanodes fabricated by oblique angle codeposition. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14205	25
177	Optical Properties and Surface Enhanced Raman Scattering of L-Shaped Silver Nanorod Arrays. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14131-14140	3.8 25
176	Tilting angle of nanocolumnar films fabricated by oblique angle deposition. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2012 , 30, 030606	1.3 25
175	Hydrogen storage and cycling properties of a vanadium decorated Mg nanoblade array on a Ti coated Si substrate. <i>Nanotechnology</i> , 2009 , 20, 204008	3.4 25
174	The SERS response of semioordered Ag nanorod arrays fabricated by template oblique angle deposition. <i>Journal of Raman Spectroscopy</i> , 2010 , 41, 1112-1118	2.3 25
173	Pore collapse and regrowth in silicon electrodes for rechargeable batteries. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 11301-12	3.6 24
172	Characterization of polycyclic aromatic hydrocarbons using Raman and surface-enhanced Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2015 , 46, 64-69	2.3 24
171	Visible Light-Induced Photoelectrochemical and Antimicrobial Properties of Hierarchical CuBi ₂ O ₄ by Facile Hydrothermal Synthesis. <i>ChemistrySelect</i> , 2016 , 1, 1518-1524	1.8 24
170	Detection of polycyclic aromatic hydrocarbons from cooking oil using ultra-thin layer chromatography and surface enhanced Raman spectroscopy. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 1898-1906	7.3 23
169	Label-free SERS detection of Salmonella Typhimurium on DNA aptamer modified AgNR substrates. <i>Journal of Food Measurement and Characterization</i> , 2017 , 11, 1773-1779	2.8 23
168	Trace detection and differentiation of uranyl(VI) ion cast films utilizing aligned Ag nanorod SERS substrates. <i>Vibrational Spectroscopy</i> , 2009 , 50, 143-151	2.1 23
167	Nanorod-mediated surface plasmon resonance sensor based on effective medium theory. <i>Applied Optics</i> , 2009 , 48, 4637-49	0.2 23
166	Designing nanostructures for sensor applications. <i>Journal of Electronic Materials</i> , 2006 , 35, 846-851	1.9 23
165	Marangoni Flow Induced Collective Motion of Catalytic Micromotors. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 28361-28367	3.8 22
164	Gold-modified silver nanorod arrays for SERS-based immunoassays with improved sensitivity. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 7488-7494	7.3 21

163	An electrodynamically confined single ZnO tetrapod laser. <i>Applied Physics Letters</i> , 2008 , 93, 121102	3.4	21
162	Anomalous polarized absorbance spectra of aligned Ag nanorod arrays. <i>Applied Physics Letters</i> , 2006 , 89, 053117	3.4	21
161	Surface roughening in low-pressure chemical vapor deposition. <i>Physical Review B</i> , 2001 , 64,	3.3	21
160	Highly Sensitive Detection of Clenbuterol in Animal Urine Using Immunomagnetic Bead Treatment and Surface-Enhanced Raman Spectroscopy. <i>Scientific Reports</i> , 2016 , 6, 32637	4.9	21
159	Improved hydrogen storage properties of a V decorated Mg nanoblade array. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 255-8	3.6	20
158	The role of differently distributed vanadium nanocatalyst in the hydrogen storage of magnesium nanostructures. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 4162-4170	6.7	20
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