

# Jeremy J Baumberg

## List of Publications by Citations

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339  
papers

24,007  
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82  
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147  
g-index

402  
ext. papers

27,787  
ext. citations

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avg, IF

7.04  
L-index

#	Paper	IF	Citations
339	Single-molecule strong coupling at room temperature in plasmonic nanocavities. <i>Nature</i> , <b>2016</b> , 535, 127-30	50.4	1009
338	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , <b>2020</b> , 14, 28-117	16.7	1000
337	Revealing the quantum regime in tunnelling plasmonics. <i>Nature</i> , <b>2012</b> , 491, 574-7	50.4	788
336	Room-temperature polariton lasing in semiconductor microcavities. <i>Physical Review Letters</i> , <b>2007</b> , 98, 126405	7.4	710
335	Angle-resonant stimulated polariton amplifier. <i>Physical Review Letters</i> , <b>2000</b> , 84, 1547-50	7.4	650
334	Chirality and chiroptical effects in plasmonic nanostructures: fundamentals, recent progress, and outlook. <i>Advanced Materials</i> , <b>2013</b> , 25, 2517-34	24	463
333	Quantum mechanical effects in plasmonic structures with subnanometre gaps. <i>Nature Communications</i> , <b>2016</b> , 7, 11495	17.4	453
332	Complete photonic bandgaps in 12-fold symmetric quasicrystals. <i>Nature</i> , <b>2000</b> , 404, 740-3	50.4	451
331	Microcavities <b>2007</b> ,		437
330	Single-molecule optomechanics in "picocavities". <i>Science</i> , <b>2016</b> , 354, 726-729	33.3	414
329	Omnidirectional absorption in nanostructured metal surfaces. <i>Nature Photonics</i> , <b>2008</b> , 2, 299-301	33.9	377
328	Pointillist structural color in Pollia fruit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 15712-5	11.5	369
327	Continuous wave observation of massive polariton redistribution by stimulated scattering in semiconductor microcavities. <i>Physical Review Letters</i> , <b>2000</b> , 85, 3680-3	7.4	363
326	Ultrafast coherent control and destruction of excitons in quantum wells. <i>Physical Review Letters</i> , <b>1995</b> , 75, 2598-2601	7.4	339
325	DNA origami based assembly of gold nanoparticle dimers for surface-enhanced Raman scattering. <i>Nature Communications</i> , <b>2014</b> , 5, 3448	17.4	316
324	Highly Ordered Macroporous Gold and Platinum Films Formed by Electrochemical Deposition through Templates Assembled from Submicron Diameter Monodisperse Polystyrene Spheres. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 2199-2208	9.6	302
323	Mimicking the colourful wing scale structure of the <i>Papilio blumei</i> butterfly. <i>Nature Nanotechnology</i> , <b>2010</b> , 5, 511-5	28.7	301

322	Optical spin resonance and transverse spin relaxation in magnetic semiconductor quantum wells. <i>Physical Review B</i> , <b>1997</b> , 56, 7574-7588	3.3	287
321	Extreme nanophotonics from ultrathin metallic gaps. <i>Nature Materials</i> , <b>2019</b> , 18, 668-678	27	278
320	Current status of AlInN layers lattice-matched to GaN for photonics and electronics. <i>Journal Physics D: Applied Physics</i> , <b>2007</b> , 40, 6328-6344	3	278
319	Precise subnanometer plasmonic junctions for SERS within gold nanoparticle assemblies using cucurbit[n]uril "glue". <i>ACS Nano</i> , <b>2011</b> , 5, 3878-87	16.7	272
318	A 3D optical metamaterial made by self-assembly. <i>Advanced Materials</i> , <b>2012</b> , 24, OP23-7	24	245
317	Angle-resolved surface-enhanced Raman scattering on metallic nanostructured plasmonic crystals. <i>Nano Letters</i> , <b>2005</b> , 5, 2262-7	11.5	235
316	Strong coupling between localized plasmons and organic excitons in metal nanovoids. <i>Physical Review Letters</i> , <b>2006</b> , 97, 266808	7.4	234
315	Parametric oscillation in a vertical microcavity: A polariton condensate or micro-optical parametric oscillation. <i>Physical Review B</i> , <b>2000</b> , 62, R16247-R16250	3.3	204
314	Al-doped ZnO inverse opal networks as efficient electron collectors in BiVO <sub>4</sub> photoanodes for solar water oxidation. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 1402-1408	35.4	203
313	Wetting of regularly structured gold surfaces. <i>Langmuir</i> , <b>2005</b> , 21, 1753-7	4	201
312	Strong-coupling of WSe in ultra-compact plasmonic nanocavities at room temperature. <i>Nature Communications</i> , <b>2017</b> , 8, 1296	17.4	196
311	Tuning localized plasmons in nanostructured substrates for surface-enhanced Raman scattering. <i>Optics Express</i> , <b>2006</b> , 14, 847-57	3.3	196
310	Controlling subnanometer gaps in plasmonic dimers using graphene. <i>Nano Letters</i> , <b>2013</b> , 13, 5033-8	11.5	179
309	Digital color in cellulose nanocrystal films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 12302-6	9.5	177
308	Terahertz Spin Precession and Coherent Transfer of Angular Momenta in Magnetic Quantum Wells. <i>Physical Review Letters</i> , <b>1996</b> , 77, 2814-2817	7.4	171
307	Optical Properties of Gyroid Structured Materials: From Photonic Crystals to Metamaterials. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 12-32	8.1	169
306	SERS at structured palladium and platinum surfaces. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 7399-406	16.4	168
305	Optical properties of nanostructured metal films. <i>Faraday Discussions</i> , <b>2004</b> , 125, 117-32; discussion 195-219	3.69	167

- 304 Actively tuned plasmons on elastomerically driven Au nanoparticle dimers. *Nano Letters*, **2010**, 10, 1787-1792 163
- 303 Understanding Plasmons in Nanoscale Voids. *Nano Letters*, **2007**, 7, 2094-2100 11.5 163
- 302 Spontaneous polarization buildup in a room-temperature polariton laser. *Physical Review Letters*, **2008**, 101, 136409 7.4 163
- 301 Sculpting oscillators with light within a nonlinear quantum fluid. *Nature Physics*, **2012**, 8, 190-194 16.2 157
- 300 Room-temperature polariton lasers based on GaN microcavities. *Applied Physics Letters*, **2002**, 81, 412-414 14 156
- 299 Electrochemical SERS at a structured gold surface. *Electrochemistry Communications*, **2005**, 7, 740-744 5.1 154
- 298 Bio-inspired band-gap tunable elastic optical multilayer fibers. *Advanced Materials*, **2013**, 25, 2239-45 24 152
- 297 Demonstrating photoluminescence from Au is electronic inelastic light scattering of a plasmonic metal: the origin of SERS backgrounds. *Nano Letters*, **2015**, 15, 2600-4 11.5 148
- 296 Nanoparticle-tuned structural color from polymer opals. *Optics Express*, **2007**, 15, 9553-61 3.3 148
- 295 Confined plasmons in metallic nanocavities. *Physical Review Letters*, **2001**, 87, 176801 7.4 141
- 294 Plasmonic band gaps and trapped plasmons on nanostructured metal surfaces. *Physical Review Letters*, **2005**, 95, 116802 7.4 139
- 293 Controlled, Bio-inspired Self-Assembly of Cellulose-Based Chiral Reflectors. *Advanced Optical Materials*, **2014**, 2, 646-650 8.1 134
- 292 Nanooptics of molecular-shunted plasmonic nanojunctions. *Nano Letters*, **2015**, 15, 669-74 11.5 133
- 291 Relaxation bottleneck and its suppression in semiconductor microcavities. *Physical Review B*, **2000**, 62, R2283-R2286 3.3 131
- 290 Plasmonic enhancement in BiVO<sub>4</sub> photonic crystals for efficient water splitting. *Small*, **2014**, 10, 3970-8 11 129
- 289 Sculpted substrates for SERS. *Faraday Discussions*, **2006**, 132, 191-9; discussion 227-47 3.6 126
- 288 Quantitative SERS using the sequestration of small molecules inside precise plasmonic nanoconstructs. *Nano Letters*, **2012**, 12, 5924-8 11.5 123
- 287 SERS of Individual Nanoparticles on a Mirror: Size Does Matter, but so Does Shape. *Journal of Physical Chemistry Letters*, **2016**, 7, 2264-9 6.4 120

286	Birefringent Fresnel zone plates in silica fabricated by femtosecond laser machining. <i>Optics Letters</i> , <b>2002</b> , 27, 2200-2	3	119
285	Threading plasmonic nanoparticle strings with light. <i>Nature Communications</i> , <b>2014</b> , 5, 4568	17.4	118
284	Exfoliation of self-assembled 2D organic-inorganic perovskite semiconductors. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 171111	3.4	112
283	Spin beats and dynamical magnetization in quantum structures. <i>Physical Review Letters</i> , <b>1994</b> , 72, 717-720	7.4	111
282	Surface enhanced coherent anti-stokes Raman scattering on nanostructured gold surfaces. <i>Nano Letters</i> , <b>2011</b> , 11, 5339-43	11.5	110
281	Light-induced actuating nanotransducers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 5503-7	11.5	108
280	Photo-Rechargeable Organo-Halide Perovskite Batteries. <i>Nano Letters</i> , <b>2018</b> , 18, 1856-1862	11.5	107
279	Microcavities <b>2017</b> ,		106
278	Optical superfluid phase transitions and trapping of polariton condensates. <i>Physical Review Letters</i> , <b>2013</b> , 110, 186403	7.4	104
277	Ultrafast Faraday spectroscopy in magnetic semiconductor quantum structures. <i>Physical Review B</i> , <b>1994</b> , 50, 7689-7700	3.3	101
276	Coupling quantum tunneling with cavity photons. <i>Science</i> , <b>2012</b> , 336, 704-7	33.3	100
275	Suppressed Quenching and Strong-Coupling of Purcell-Enhanced Single-Molecule Emission in Plasmonic Nanocavities. <i>ACS Photonics</i> , <b>2018</b> , 5, 186-191	6.3	99
274	Tuning plasmons on nano-structured substrates for NIR-SERS. <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 104-9	3.6	99
273	Light-Directed Writing of Chemically Tunable Narrow-Band Holographic Sensors. <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 250-254	8.1	98
272	Nonlinear superchiral meta-surfaces: tuning chirality and disentangling non-reciprocity at the nanoscale. <i>Advanced Materials</i> , <b>2014</b> , 26, 4074-81	24	97
271	Mapping Nanoscale Hotspots with Single-Molecule Emitters Assembled into Plasmonic Nanocavities Using DNA Origami. <i>Nano Letters</i> , <b>2018</b> , 18, 405-411	11.5	97
270	Understanding the Surface-Enhanced Raman Spectroscopy Background $\square$ <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 7242-7250	3.8	96
269	Metal oxide nanoparticle mediated enhanced Raman scattering and its use in direct monitoring of interfacial chemical reactions. <i>Nano Letters</i> , <b>2012</b> , 12, 4242-6	11.5	95

268	Photoluminescence of Colloidal CdSe/ZnS Quantum Dots: The Critical Effect of Water Molecules. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 12069-12077	3.8	95
267	Canonical Quantization of Light in a Linear Dielectric. <i>Europhysics Letters</i> , <b>1991</b> , 16, 177-182	1.6	95
266	How Light Is Emitted by Plasmonic Metals. <i>Nano Letters</i> , <b>2017</b> , 17, 2568-2574	11.5	93
265	Large-scale ordering of nanoparticles using viscoelastic shear processing. <i>Nature Communications</i> , <b>2016</b> , 7, 11661	17.4	88
264	Dressing plasmons in particle-in-cavity architectures. <i>Nano Letters</i> , <b>2011</b> , 11, 1221-6	11.5	87
263	Surface-Enhanced Raman Scattering Using Microstructured Optical Fiber Substrates. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 2024-2030	15.6	87
262	How Ultranarrow Gap Symmetries Control Plasmonic Nanocavity Modes: From Cubes to Spheres in the Nanoparticle-on-Mirror. <i>ACS Photonics</i> , <b>2017</b> , 4, 469-475	6.3	86
261	Monitoring morphological changes in 2D monolayer semiconductors using atom-thick plasmonic nanocavities. <i>ACS Nano</i> , <b>2015</b> , 9, 825-30	16.7	86
260	In situ intercalation dynamics in inorganic-organic layered perovskite thin films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 10238-47	9.5	84
259	Scalable electrochromic nanopixels using plasmonics. <i>Science Advances</i> , <b>2019</b> , 5, eaaw2205	14.3	83
258	Reproducible Deep-UV SERRS on Aluminum Nanovoids. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 1449-52	6.4	83
257	3D bulk ordering in macroscopic solid opaline films by edge-induced rotational shearing. <i>Advanced Materials</i> , <b>2011</b> , 23, 1540-4	24	82
256	Reproducible SERRS from structured gold surfaces. <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 6016-20	3.6	82
255	Plasmonic tunnel junctions for single-molecule redox chemistry. <i>Nature Communications</i> , <b>2017</b> , 8, 994	17.4	81
254	Coherent spectroscopy of optically gated charged single InGaAs quantum dots. <i>Physical Review Letters</i> , <b>2003</b> , 90, 257402	7.4	81
253	Quantum electrodynamics at room temperature coupling a single vibrating molecule with a plasmonic nanocavity. <i>Nature Communications</i> , <b>2019</b> , 10, 1049	17.4	80
252	Strong Photocurrent from Two-Dimensional Excitons in Solution-Processed Stacked Perovskite Semiconductor Sheets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 25227-36	9.5	76
251	Tunable 3D extended self-assembled gold metamaterials with enhanced light transmission. <i>Advanced Materials</i> , <b>2013</b> , 25, 2713-6	24	76

250	Nanoimprint lithography of Al nanovoids for deep-UV SERS. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 17358-63	9.5	75
249	Core-Shell Gold Nanorod@Zirconium-Based Metal-Organic Framework Composites as in Situ Size-Selective Raman Probes. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 3893-3900	16.4	73
248	Preparation of Arrays of Isolated Spherical Cavities by Self-Assembly of Polystyrene Spheres on Self-Assembled Pre-patterned Macroporous Films. <i>Advanced Materials</i> , <b>2004</b> , 16, 90-93	24	73
247	Relating SERS Intensity to Specific Plasmon Modes on Sphere Segment Void Surfaces. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 9284-9289	3.8	72
246	Revealing Invisible Photonic Inscriptions: Images from Strain. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 13497-502	9.5	70
245	In situ SERS monitoring of photochemistry within a nanojunction reactor. <i>Nano Letters</i> , <b>2013</b> , 13, 5985-901.5	1.5	70
244	Embedded anisotropic microreflectors by femtosecond-laser nanomachining. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 196-198	3.4	69
243	How chain plasmons govern the optical response in strongly interacting self-assembled metallic clusters of nanoparticles. <i>Langmuir</i> , <b>2012</b> , 28, 8881-90	4	68
242	Compact strain-sensitive flexible photonic crystals for sensors. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 101902	3.4	68
241	Ultrathin CdSe in Plasmonic Nanogaps for Enhanced Photocatalytic Water Splitting. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 1099-103	6.4	67
240	Shear-Induced Organization in Flexible Polymer Opals. <i>Advanced Materials</i> , <b>2008</b> , 20, 1484-1487	24	67
239	Determination of nonlinear refractive index in a Ta2O5 rib waveguide using self-phase modulation. <i>Optics Express</i> , <b>2004</b> , 12, 5110-6	3.3	66
238	Gap-Dependent Coupling of Ag/Au Nanoparticle Heterodimers Using DNA Origami-Based Self-Assembly. <i>ACS Photonics</i> , <b>2016</b> , 3, 1589-1595	6.3	66
237	Quantitative multiplexing with nano-self-assemblies in SERS. <i>Scientific Reports</i> , <b>2014</b> , 4, 6785	4.9	63
236	Quantitative electrochemical SERS of flavin at a structured silver surface. <i>Langmuir</i> , <b>2008</b> , 24, 7018-23	4	63
235	Engineering Gold Nanotubes with Controlled Length and Near-Infrared Absorption for Theranostic Applications. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 2117-2127	15.6	61
234	Ordering in stretch-tunable polymeric opal fibers. <i>Optics Express</i> , <b>2011</b> , 19, 3144-54	3.3	61
233	Roll-to-roll fabrication of touch-responsive cellulose photonic laminates. <i>Nature Communications</i> , <b>2018</b> , 9, 4632	17.4	60

232	Coupled counterrotating polariton condensates in optically defined annular potentials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 8770-5	11.5	59
231	A sub-femtojoule electrical spin-switch based on optically trapped polariton condensates. <i>Nature Materials</i> , <b>2016</b> , 15, 1074-8	27	59
230	Room-Temperature Optical Picocavities below 1 nm Accessing Single-Atom Geometries. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 7146-7151	6.4	59
229	Spontaneous Spin Bifurcations and Ferromagnetic Phase Transitions in a Spinor Exciton-Polariton Condensate. <i>Physical Review X</i> , <b>2015</b> , 5,	9.1	58
228	Observing Single Molecules Complexing with Cucurbit[7]uril through Nanogap Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 704-10	6.4	57
227	Optical birefringence in photonic crystal waveguides. <i>Physical Review Letters</i> , <b>2001</b> , 86, 1526-9	7.4	57
226	A one-piece 3D printed flexure translation stage for open-source microscopy. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 025104	1.7	56
225	In Situ Observations of Phase Transitions in Metastable Nickel (Carbide)/Carbon Nanocomposites. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 22571-22584	3.8	56
224	Probing confined phonon modes in individual CdSe nanoplatelets using surface-enhanced Raman scattering. <i>Physical Review Letters</i> , <b>2014</b> , 113, 087402	7.4	54
223	Spin Order and Phase Transitions in Chains of Polariton Condensates. <i>Physical Review Letters</i> , <b>2017</b> , 119, 067401	7.4	53
222	Raman and SERS spectroscopy of cucurbit[n]urils. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 10429-33.6	33.6	53
221	Thermo-Responsive Actuation of a DNA Origami Flexor. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706410.6	10.6	52
220	Stretch-induced plasmonic anisotropy of self-assembled gold nanoparticle mats. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 073101	3.4	50
219	Size Dependent Plasmonic Effect on BiVO <sub>4</sub> Photoanodes for Solar Water Splitting. <i>Scientific Reports</i> , <b>2015</b> , 5, 16660	4.9	48
218	Stretch-tuneable dielectric mirrors and optical microcavities. <i>Optics Express</i> , <b>2010</b> , 18, 4356-64	3.3	48
217	Light-Directed Tuning of Plasmon Resonances via Plasmon-Induced Polymerization Using Hot Electrons. <i>ACS Photonics</i> , <b>2017</b> , 4, 1453-1458	6.3	47
216	Controllable Tuning Plasmonic Coupling with Nanoscale Oxidation. <i>ACS Nano</i> , <b>2015</b> , 9, 6110-8	16.7	46
215	Metamaterial high pass filter based on periodic wire arrays of multiwalled carbon nanotubes. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 163102	3.4	46



214	Soft-x-ray wavelength shift induced by ionization effects in a capillary. <i>Optics Letters</i> , <b>2006</b> , 31, 374-6	3	46
213	Generalized circuit model for coupled plasmonic systems. <i>Optics Express</i> , <b>2015</b> , 23, 33255-69	3.3	45
212	Surface-enhanced Raman spectroscopy of CdSe quantum dots on nanostructured plasmonic surfaces. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 141111	3.4	45
211	Electrodeposition of highly ordered macroporous iridium oxide through self-assembled colloidal templates. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 3855		45
210	Nanoscale Plasmon-Enhanced Spectroscopy in Memristive Switches. <i>Small</i> , <b>2016</b> , 12, 1334-41	11	45
209	Unfolding the contents of sub-nm plasmonic gaps using normalising plasmon resonance spectroscopy. <i>Faraday Discussions</i> , <b>2015</b> , 178, 185-93	3.6	43
208	Anomalous Spectral Shift of Near- and Far-Field Plasmonic Resonances in Nanogaps. <i>ACS Photonics</i> , <b>2016</b> , 3, 471-477	6.3	43
207	Polariton ring condensates and sunflower ripples in an expanding quantum liquid. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	43
206	Robotic microscopy for everyone: the OpenFlexure microscope. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 2443-2460	3.3	43
205	Strong Coupling of Localized Surface Plasmons to Excitons in Light-Harvesting Complexes. <i>Nano Letters</i> , <b>2016</b> , 16, 6850-6856	11.5	43
204	Strong coupling of light to flat metals via a buried nanovoid lattice: the interplay of localized and free plasmons. <i>Optics Express</i> , <b>2006</b> , 14, 1965-72	3.3	42
203	Gold nanorods with sub-nanometer separation using cucurbit[n]uril for SERS applications. <i>Small</i> , <b>2014</b> , 10, 4298-303	11	41
202	Structural tunability and switchable exciton emission in inorganic-organic hybrids with mixed halides. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 233511	2.5	40
201	Polymer-assisted self-assembly of gold nanoparticle monolayers and their dynamical switching. <i>Nanoscale</i> , <b>2016</b> , 8, 15864-9	7.7	40
200	Fast Dynamic Color Switching in Temperature-Responsive Plasmonic Films. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 877-882	8.1	40
199	Stretchable metal-elastomer nanovoids for tunable plasmons. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 154103	3.4	39
198	Stamping colloidal photonic crystals: a facile way towards complex pixel colour patterns for sensing and displays. <i>Nanoscale</i> , <b>2015</b> , 7, 1857-63	7.7	38
197	Watching individual molecules flex within lipid membranes using SERS. <i>Scientific Reports</i> , <b>2014</b> , 4, 5940	4.9	37

196	Oriented polaritons in strongly-coupled asymmetric double quantum well microcavities. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 081111	3.4	37
195	Electric-field-tuned color in photonic crystal elastomers. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 101902	3.4	36
194	One-step fabrication of hollow-channel gold nanoflowers with excellent catalytic performance and large single-particle SERS activity. <i>Nanoscale</i> , <b>2016</b> , 8, 14932-42	7.7	35
193	Tracking Nanoelectrochemistry Using Individual Plasmonic Nanocavities. <i>Nano Letters</i> , <b>2017</b> , 17, 4840-4845	8.5	35
192	Plasmon-directed polymerization: Regulating polymer growth with light. <i>Nano Research</i> , <b>2018</b> , 11, 6384-6390	6.3	34
191	Optimizing SERS from Gold Nanoparticle Clusters: Addressing the Near Field by an Embedded Chain Plasmon Model. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 10512-10522	3.8	33
190	Nanowire-based multifunctional antireflection coatings for solar cells. <i>Nanoscale</i> , <b>2014</b> , 6, 14555-62	7.7	32
189	Polymer opals as novel photonic materials. <i>Polymer International</i> , <b>2013</b> , 62, 1403-1407	3.3	32
188	Pulsed Molecular Optomechanics in Plasmonic Nanocavities: From Nonlinear Vibrational Instabilities to Bond-Breaking. <i>Physical Review X</i> , <b>2018</b> , 8,	9.1	31
187	Optical Response of Metallic Nanoparticle Heteroaggregates with Subnanometric Gaps. <i>Particle and Particle Systems Characterization</i> , <b>2014</b> , 31, 152-160	3.1	31
186	SERS from molecules bridging the gap of particle-in-cavity structures. <i>Chemical Communications</i> , <b>2011</b> , 47, 6335-7	5.8	31
185	Simple Composite Dipole Model for the Optical Modes of Strongly-Coupled Plasmonic Nanoparticle Aggregates. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 25044-25051	3.8	30
184	Electrokinetic assembly of one-dimensional nanoparticle chains with cucurbit[7]uril controlled subnanometer junctions. <i>Nano Letters</i> , <b>2013</b> , 13, 6016-22	11.5	30
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