

Jeremy J Baumberg

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

339
papers

24,007
citations

82
h-index

147
g-index

402
ext. papers

27,787
ext. citations

9.1
avg, IF

7.04
L-index

#	Paper	IF	Citations
339	Enhanced excitation and readout of plasmonic cavity modes in NPoM via SiN waveguides for on-chip SERS.. <i>Optics Express</i> , 2022 , 30, 4553-4563	3.3	0
338	Mid-infrared-perturbed molecular vibrational signatures in plasmonic nanocavities.. <i>Light: Science and Applications</i> , 2022 , 11, 19	16.7	4
337	Morphology dependence of nanoparticle-on-mirror geometries: A quasinormal mode analysis. <i>EPJ Applied Metamaterials</i> , 2022 , 9, 3	0.8	1
336	Hollow-core optical fibre sensors for operando Raman spectroscopy investigation of Li-ion battery liquid electrolytes.. <i>Nature Communications</i> , 2022 , 13, 1651	17.4	2
335	Trapping plasmonic nanoparticles with MHz electric fields. <i>Applied Physics Letters</i> , 2022 , 120, 203303	3.4	
334	Resolving sub-angstrom ambient motion through reconstruction from vibrational spectra. <i>Nature Communications</i> , 2021 , 12, 6759	17.4	2
333	Large-scale fabrication of structurally coloured cellulose nanocrystal films and effect pigments. <i>Nature Materials</i> , 2021 ,	27	23
332	Microcavity-like exciton-polaritons can be the primary photoexcitation in bare organic semiconductors. <i>Nature Communications</i> , 2021 , 12, 6519	17.4	5
331	Detecting mid-infrared light by molecular frequency upconversion in dual-wavelength nanoantennas. <i>Science</i> , 2021 , 374, 1268-1271	33.3	14
330	Energy-resolved plasmonic chemistry in individual nanoreactors. <i>Nature Nanotechnology</i> , 2021 ,	28.7	10
329	Locating Single-Atom Optical Picocavities Using Wavelength-Multiplexed Raman Scattering. <i>ACS Photonics</i> , 2021 , 8, 2868-2875	6.3	3
328	Interfering Plasmons in Coupled Nanoresonators to Boost Light Localization and SERS. <i>Nano Letters</i> , 2021 , 21, 2512-2518	11.5	10
327	Anisotropic Carbon Nanotube Structures with High Aspect Ratio Nanopores for Li-Ion Battery Anodes. <i>ACS Applied Nano Materials</i> , 2021 , 4, 6299-6305	5.6	1
326	Tracking interfacial single-molecule pH and binding dynamics via vibrational spectroscopy. <i>Science Advances</i> , 2021 , 7,	14.3	2
325	Eliminating irreproducibility in SERS substrates. <i>Journal of Raman Spectroscopy</i> , 2021 , 52, 412-419	2.3	10
324	Contact angle as a powerful tool in anisotropic colloid synthesis. <i>Journal of Colloid and Interface Science</i> , 2021 , 581, 417-426	9.3	1
323	Dynamics of deterministically positioned single-bond surface-enhanced Raman scattering from DNA origami assembled in plasmonic nanogaps. <i>Journal of Raman Spectroscopy</i> , 2021 , 52, 348-354	2.3	3

322	FullyPrinted Flexible Plasmonic Metafilms with Directional Color Dynamics. <i>Advanced Science</i> , 2021 , 8, 2002419	13.6	6
321	Addressing molecular optomechanical effects in nanocavity-enhanced Raman scattering beyond the single plasmonic mode. <i>Nanoscale</i> , 2021 , 13, 1938-1954	7.7	5
320	Mechanistic study of an immobilized molecular electrocatalyst by in situ gap-plasmon-assisted spectro-electrochemistry. <i>Nature Catalysis</i> , 2021 , 4, 157-163	36.5	10
319	Accessing Plasmonic Hotspots Using Nanoparticle-on-Foil Constructs. <i>ACS Photonics</i> , 2021 , 8, 2811-2817	6.3	4
318	Quantum Tunneling Induced Optical Rectification and Plasmon-Enhanced Photocurrent in Nanocavity Molecular Junctions. <i>ACS Nano</i> , 2021 , 15, 14535-14543	16.7	4
317	Nanoparticle surfactants for kinetically arrested photoactive assemblies to track light-induced electron transfer. <i>Nature Nanotechnology</i> , 2021 , 16, 1121-1129	28.7	2
316	An Experimental and Theoretical Determination of Oscillatory Shear-Induced Crystallization Processes in Viscoelastic Photonic Crystal Media. <i>Materials</i> , 2021 , 14,	3.5	2
315	Plasmon-Induced Trap State Emission from Single Quantum Dots. <i>Physical Review Letters</i> , 2021 , 126, 047402	7.4	3
314	Efficient Generation of Two-Photon Excited Phosphorescence from Molecules in Plasmonic Nanocavities. <i>Nano Letters</i> , 2020 , 20, 4653-4658	11.5	12
313	Cascaded nanooptics to probe microsecond atomic-scale phenomena. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 14819-14826	11.5	13
312	Citrate Coordination and Bridging of Gold Nanoparticles: The Role of Gold Adatoms in AuNP Aging. <i>ACS Nano</i> , 2020 , 14, 8689-8696	16.7	27
311	A Light-Switchable Liquid Metamaterial Mirror. <i>Advanced Optical Materials</i> , 2020 , 8, 2000396	8.1	
310	Thermo-responsive plasmonic systems: old materials with new applications. <i>Nanoscale Advances</i> , 2020 , 2, 1410-1416	5.1	10
309	Localized Nanoresonator Mode in Plasmonic Microcavities. <i>Physical Review Letters</i> , 2020 , 124, 093901	7.4	5
308	Out-of-Plane Nanoscale Reorganization of Lipid Molecules and Nanoparticles Revealed by Plasmonic Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 2875-2882	6.4	1
307	Light-Induced Coalescence of Plasmonic Dimers and Clusters. <i>ACS Nano</i> , 2020 , 14, 4982-4987	16.7	12
306	Nanometer control in plasmonic systems through discrete layer-by-layer macrocycle-cation deposition. <i>Nanoscale</i> , 2020 , 12, 8706-8710	7.7	
305	Linear and nonlinear optical probing of various excitons in 2D inorganic-organic hybrid structures. <i>Scientific Reports</i> , 2020 , 10, 2615	4.9	11

304	Nanoscopy through a plasmonic nanolens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 2275-2281	11.5	14
303	Flickering nanometre-scale disorder in a crystal lattice tracked by plasmonic flare light emission. <i>Nature Communications</i> , 2020 , 11, 682	17.4	14
302	Robotic microscopy for everyone: the OpenFlexure microscope. <i>Biomedical Optics Express</i> , 2020 , 11, 2443-2460	3.3	43
301	Chromaticity of structural color in polymer thin film photonic crystals. <i>Optics Express</i> , 2020 , 28, 36219-36228	3.3	4
300	Plasmonic Nanocavity Modes: From Near-Field to Far-Field Radiation. <i>ACS Photonics</i> , 2020 , 7, 463-471	6.3	26
299	Real-time in situ optical tracking of oxygen vacancy migration in memristors. <i>Nature Electronics</i> , 2020 , 3, 687-693	28.4	16
298	Controlling Optically Driven Atomic Migration Using Crystal-Facet Control in Plasmonic Nanocavities. <i>ACS Nano</i> , 2020 , 14, 10562-10568	16.7	18
297	Multivalent Patchy Colloids for Quantitative 3D Self-Assembly Studies. <i>Langmuir</i> , 2020 , 36, 2403-2418	4	9
296	Optical probes of molecules as nano-mechanical switches. <i>Nature Communications</i> , 2020 , 11, 5905	17.4	9
295	Breaking the Selection Rules of Spin-Forbidden Molecular Absorption in Plasmonic Nanocavities. <i>ACS Photonics</i> , 2020 , 7, 2337-2342	6.3	9
294	Selective CO production from aqueous CO ₂ using a Cu ₉₆ In ₄ catalyst and its integration into a bias-free solar perovskite/BiVO ₄ tandem device. <i>Energy and Environmental Science</i> , 2020 , 13, 3536-3543	35.4	16
293	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020 , 14, 28-117	16.7	1000
292	Scalable integration of nano-, and microfluidics with hybrid two-photon lithography. <i>Microsystems and Nanoengineering</i> , 2019 , 5, 40	7.7	28
291	Inhibiting Analyte Theft in Surface-Enhanced Raman Spectroscopy Substrates: Subnanomolar Quantitative Drug Detection. <i>ACS Sensors</i> , 2019 , 4, 2988-2996	9.2	15
290	Plasmon-induced optical control over dithionite-mediated chemical redox reactions. <i>Faraday Discussions</i> , 2019 , 214, 455-463	3.6	8
289	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> , 2019 , 141, 3893-3900	16.4	73
288	Applications in catalysis, photochemistry, and photodetection: general discussion. <i>Faraday Discussions</i> , 2019 , 214, 479-499	3.6	2
287	Scalable electrochromic nanopixels using plasmonics. <i>Science Advances</i> , 2019 , 5, eaaw2205	14.3	83

286	Hot electron science in plasmonics and catalysis: what we argue about. <i>Faraday Discussions</i> , 2019 , 214, 501-511	3.6	13
285	Observation of inversion, hysteresis, and collapse of spin in optically trapped polariton condensates. <i>Physical Review B</i> , 2019 , 99,	3.3	6
284	Quantum electrodynamics at room temperature coupling a single vibrating molecule with a plasmonic nanocavity. <i>Nature Communications</i> , 2019 , 10, 1049	17.4	80
283	Extreme nanophotonics from ultrathin metallic gaps. <i>Nature Materials</i> , 2019 , 18, 668-678	27	278
282	Anomalously Large Spectral Shifts near the Quantum Tunnelling Limit in Plasmonic Rulers with Subatomic Resolution. <i>Nano Letters</i> , 2019 , 19, 2051-2058	11.5	25
281	Motile Artificial Chromatophores: Light-Triggered Nanoparticles for Microdroplet Locomotion and Color Change. <i>Advanced Optical Materials</i> , 2019 , 7, 1900951	8.1	7
280	Metasurfaces Atop Metamaterials: Surface Morphology Induces Linear Dichroism in Gyroid Optical Metamaterials. <i>Advanced Materials</i> , 2019 , 31, e1803478	24	17
279	Thermo-Responsive Actuation of a DNA Origami Flexor. <i>Advanced Functional Materials</i> , 2018 , 28, 1706410	10.6	52
278	The Crucial Role of Charge in Thermoresponsive-Polymer-Assisted Reversible Dis/Assembly of Gold Nanoparticles. <i>Advanced Optical Materials</i> , 2018 , 6, 1701270	8.1	19
277	Pulsed Molecular Optomechanics in Plasmonic Nanocavities: From Nonlinear Vibrational Instabilities to Bond-Breaking. <i>Physical Review X</i> , 2018 , 8,	9.1	31
276	Actuating Single Nano-Oscillators with Light. <i>Advanced Optical Materials</i> , 2018 , 6, 1701281	8.1	20
275	Photo-Rechargeable Organo-Halide Perovskite Batteries. <i>Nano Letters</i> , 2018 , 18, 1856-1862	11.5	107
274	Dynamic- and Light-Switchable Self-Assembled Plasmonic Metafilms. <i>Advanced Optical Materials</i> , 2018 , 6, 1800208	8.1	15
273	Suppressed Quenching and Strong-Coupling of Purcell-Enhanced Single-Molecule Emission in Plasmonic Nanocavities. <i>ACS Photonics</i> , 2018 , 5, 186-191	6.3	99
272	Generation of Quantized Polaritons below the Condensation Threshold. <i>Physical Review Letters</i> , 2018 , 121, 067401	7.4	3
271	Electrically Controlled Nano and Micro Actuation in Memristive Switching Devices with On-Chip Gas Encapsulation. <i>Small</i> , 2018 , 14, e1801599	11	7
270	Electrical Tuning of Nonlinearities in Exciton-Polariton Condensates. <i>Physical Review Letters</i> , 2018 , 121, 037401	7.4	18
269	Stochastic spin flips in polariton condensates: nonlinear tuning from GHz to sub-Hz. <i>New Journal of Physics</i> , 2018 , 20, 075008	2.9	5

268	Fluorescence enhancement and strong-coupling in faceted plasmonic nanocavities. <i>EPJ Applied Metamaterials</i> , 2018 , 5, 6	0.8	9
267	Mapping Nanoscale Hotspots with Single-Molecule Emitters Assembled into Plasmonic Nanocavities Using DNA Origami. <i>Nano Letters</i> , 2018 , 18, 405-411	11.5	97
266	Roll-to-roll fabrication of touch-responsive cellulose photonic laminates. <i>Nature Communications</i> , 2018 , 9, 4632	17.4	60
265	Room-Temperature Optical Picocavities below 1 nm Accessing Single-Atom Geometries. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 7146-7151	6.4	59
264	Controlling Self-Assembly in Gyroid Terpolymer Films By Solvent Vapor Annealing. <i>Small</i> , 2018 , 14, e1802401	14.0	18
263	Tuning of Structural Colors Like a Chameleon Enabled by Shape-Memory Polymers. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800518	4.8	14
262	Plasmon-directed polymerization: Regulating polymer growth with light. <i>Nano Research</i> , 2018 , 11, 6384-6390	6.3	34
261	How Light Is Emitted by Plasmonic Metals. <i>Nano Letters</i> , 2017 , 17, 2568-2574	11.5	93
260	How Ultranarrow Gap Symmetries Control Plasmonic Nanocavity Modes: From Cubes to Spheres in the Nanoparticle-on-Mirror. <i>ACS Photonics</i> , 2017 , 4, 469-475	6.3	86
259	Light-Directed Tuning of Plasmon Resonances via Plasmon-Induced Polymerization Using Hot Electrons. <i>ACS Photonics</i> , 2017 , 4, 1453-1458	6.3	47
258	Linking classical and molecular optomechanics descriptions of SERS. <i>Faraday Discussions</i> , 2017 , 205, 31-65	6.6	28
257	Near-Field Optical Drilling of Sub-100 nm Pits in Thin Polymer Films. <i>ACS Photonics</i> , 2017 , 4, 1292-1297	6.3	7
256	Revealing Nanostructures through Plasmon Polarimetry. <i>ACS Nano</i> , 2017 , 11, 850-855	16.7	27
255	Plasmonic tunnel junctions for single-molecule redox chemistry. <i>Nature Communications</i> , 2017 , 8, 994	17.4	81
254	Mapping SERS in CB: Au Plasmonic Nanoaggregates. <i>ACS Photonics</i> , 2017 , 4, 2681-2686	6.3	20
253	Spatiotemporal Dynamics and Control of Strong Coupling in Plasmonic Nanocavities. <i>ACS Photonics</i> , 2017 , 4, 2410-2418	6.3	23
252	Interrogating Nanojunctions Using Ultraconfined Acoustoplasmonic Coupling. <i>Physical Review Letters</i> , 2017 , 119, 023901	7.4	9
251	Smart supramolecular sensing with cucurbit[n]urils: probing hydrogen bonding with SERS. <i>Faraday Discussions</i> , 2017 , 205, 505-515	3.6	13

250	Carbon nanotubes: Wiry matter-light coupling. <i>Nature Materials</i> , 2017 , 16, 877-878	27	5
249	Blocking Hot Electron Emission by SiO ₂ Coating Plasmonic Nanostructures. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 18795-18799	3.8	7
248	Optical Imaging of Large Gyroid Grains in Block Copolymer Templates by Confined Crystallization. <i>Macromolecules</i> , 2017 , 50, 6255-6262	5.5	25
247	Spin Order and Phase Transitions in Chains of Polariton Condensates. <i>Physical Review Letters</i> , 2017 , 119, 067401	7.4	53
246	Ultrasensitive and towards single molecule SERS: general discussion. <i>Faraday Discussions</i> , 2017 , 205, 291-330	3.6	9
245	SERS in biology/biomedical SERS: general discussion. <i>Faraday Discussions</i> , 2017 , 205, 429-456	3.6	15
244	Analytical SERS: general discussion. <i>Faraday Discussions</i> , 2017 , 205, 561-600	3.6	9
243	Theory of SERS enhancement: general discussion. <i>Faraday Discussions</i> , 2017 , 205, 173-211	3.6	21
242	Group Theoretical Route to Deterministic Weyl Points in Chiral Photonic Lattices. <i>Physical Review Letters</i> , 2017 , 119, 227401	7.4	17
241	Spectrally resolved surface plasmon resonance dispersion using half-ball optics. <i>Applied Physics Letters</i> , 2017 , 111, 201102	3.4	3
240	Strong-coupling of WSe in ultra-compact plasmonic nanocavities at room temperature. <i>Nature Communications</i> , 2017 , 8, 1296	17.4	196
239	Tracking Nanoelectrochemistry Using Individual Plasmonic Nanocavities. <i>Nano Letters</i> , 2017 , 17, 4840-4845	8.1	35
238	Generating Bulk-Scale Ordered Optical Materials Using Shear-Assembly in Viscoelastic Media. <i>Materials</i> , 2017 , 10,	3.5	24
237	Microcavities 2017 ,		106
236	Large-scale ordering of nanoparticles using viscoelastic shear processing. <i>Nature Communications</i> , 2016 , 7, 11661	17.4	88
235	Nanoassembly of Polydisperse Photonic Crystals Based on Binary and Ternary Polymer Opal Alloys. <i>Advanced Optical Materials</i> , 2016 , 4, 1494-1500	8.1	18
234	Tunable Magnetic Alignment between Trapped Exciton-Polariton Condensates. <i>Physical Review Letters</i> , 2016 , 116, 106403	7.4	24
233	Single-molecule optomechanics in "picocavities". <i>Science</i> , 2016 , 354, 726-729	33.3	414

232	Quantum mechanical effects in plasmonic structures with subnanometre gaps. <i>Nature Communications</i> , 2016 , 7, 11495	17.4	453
231	Single-molecule strong coupling at room temperature in plasmonic nanocavities. <i>Nature</i> , 2016 , 535, 127-30	30.4	1009
230	One-step fabrication of hollow-channel gold nanoflowers with excellent catalytic performance and large single-particle SERS activity. <i>Nanoscale</i> , 2016 , 8, 14932-42	7.7	35
229	Zero-Reflectance Metafilms for Optimal Plasmonic Sensing. <i>Advanced Optical Materials</i> , 2016 , 4, 328-335	5.1	15
228	Observing Single Molecules Complexing with Cucurbit[7]uril through Nanogap Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 704-10	6.4	57
227	Polarisation-selective hotspots in metallic ring stack arrays. <i>Optics Express</i> , 2016 , 24, 3663-71	3.3	3
226	Anomalous Spectral Shift of Near- and Far-Field Plasmonic Resonances in Nanogaps. <i>ACS Photonics</i> , 2016 , 3, 471-477	6.3	43
225	Gap-Dependent Coupling of Ag/Au Nanoparticle Heterodimers Using DNA Origami-Based Self-Assembly. <i>ACS Photonics</i> , 2016 , 3, 1589-1595	6.3	66
224	A one-piece 3D printed flexure translation stage for open-source microscopy. <i>Review of Scientific Instruments</i> , 2016 , 87, 025104	1.7	56
223	Nanoscale Plasmon-Enhanced Spectroscopy in Memristive Switches. <i>Small</i> , 2016 , 12, 1334-41	11	45
222	Monitoring Early-Stage Nanoparticle Assembly in Microdroplets by Optical Spectroscopy and SERS. <i>Small</i> , 2016 , 12, 1788-96	11	27
221	SERS of Individual Nanoparticles on a Mirror: Size Does Matter, but so Does Shape. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2264-9	6.4	120
220	Optimizing SERS from Gold Nanoparticle Clusters: Addressing the Near Field by an Embedded Chain Plasmon Model. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 10512-10522	3.8	33
219	Light-induced actuating nanotransducers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 5503-7	11.5	108
218	In Situ Observations of Phase Transitions in Metastable Nickel (Carbide)/Carbon Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 22571-22584	3.8	56
217	Gyroid Optical Metamaterials: Calculating the Effective Permittivity of Multidomain Samples. <i>ACS Photonics</i> , 2016 , 3, 1888-1896	6.3	27
216	Strong Coupling of Localized Surface Plasmons to Excitons in Light-Harvesting Complexes. <i>Nano Letters</i> , 2016 , 16, 6850-6856	11.5	43
215	A sub-femtojoule electrical spin-switch based on optically trapped polariton condensates. <i>Nature Materials</i> , 2016 , 15, 1074-8	27	59

214	Polymer-assisted self-assembly of gold nanoparticle monolayers and their dynamical switching. <i>Nanoscale</i> , 2016 , 8, 15864-9	7.7	40
213	Fast Dynamic Color Switching in Temperature-Responsive Plasmonic Films. <i>Advanced Optical Materials</i> , 2016 , 4, 877-882	8.1	40
212	Ultrathin CdSe in Plasmonic Nanogaps for Enhanced Photocatalytic Water Splitting. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 1099-103	6.4	67
211	Optical nano-woodpiles: large-area metallic photonic crystals and metamaterials. <i>Scientific Reports</i> , 2015 , 5, 8313	4.9	22
210	Visualizing electromagnetic fields at the nanoscale by single molecule localization. <i>Nano Letters</i> , 2015 , 15, 3217-23	11.5	12
209	Applications of plasmonics: general discussion. <i>Faraday Discussions</i> , 2015 , 178, 435-66	3.6	11
208	Controllable Tuning Plasmonic Coupling with Nanoscale Oxidation. <i>ACS Nano</i> , 2015 , 9, 6110-8	16.7	46
207	Quantum plasmonics, gain and spasers: general discussion. <i>Faraday Discussions</i> , 2015 , 178, 325-34	3.6	3
206	Plasmonic and new plasmonic materials: general discussion. <i>Faraday Discussions</i> , 2015 , 178, 123-49	3.6	13
205	Surface plasmon enhanced spectroscopies and time and space resolved methods: general discussion. <i>Faraday Discussions</i> , 2015 , 178, 253-79	3.6	2
204	Unfolding the contents of sub-nm plasmonic gaps using normalising plasmon resonance spectroscopy. <i>Faraday Discussions</i> , 2015 , 178, 185-93	3.6	43
203	Demonstrating photoluminescence from Au is electronic inelastic light scattering of a plasmonic metal: the origin of SERS backgrounds. <i>Nano Letters</i> , 2015 , 15, 2600-4	11.5	148
202	Strong Photocurrent from Two-Dimensional Excitons in Solution-Processed Stacked Perovskite Semiconductor Sheets. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 25227-36	9.5	76
201	Nanooptics of molecular-shunted plasmonic nanojunctions. <i>Nano Letters</i> , 2015 , 15, 669-74	11.5	133
200	Stamping colloidal photonic crystals: a facile way towards complex pixel colour patterns for sensing and displays. <i>Nanoscale</i> , 2015 , 7, 1857-63	7.7	38
199	Optical Properties of Gyroid Structured Materials: From Photonic Crystals to Metamaterials. <i>Advanced Optical Materials</i> , 2015 , 3, 12-32	8.1	169
198	Self-aligned colloidal lithography for controllable and tuneable plasmonic nanogaps. <i>Small</i> , 2015 , 11, 2139-43	11	28
197	A high transmission wave-guide wire network made by self-assembly. <i>Nanoscale</i> , 2015 , 7, 1032-6	7.7	9

196	Facile Fabrication of Spherical Nanoparticle-Tipped AFM Probes for Plasmonic Applications. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 182-187	3.1	11
195	Capillary-Force-Assisted Optical Tuning of Coupled Plasmons. <i>Advanced Materials</i> , 2015 , 27, 6457-61	24	17
194	Size Dependent Plasmonic Effect on BiVO ₄ Photoanodes for Solar Water Splitting. <i>Scientific Reports</i> , 2015 , 5, 16660	4.9	48
193	Real-time measurements of crystallization processes in viscoelastic polymeric photonic crystals. <i>Physical Review E</i> , 2015 , 92, 052315	2.4	6
192	Spontaneous Spin Bifurcations and Ferromagnetic Phase Transitions in a Spinor Exciton-Polariton Condensate. <i>Physical Review X</i> , 2015 , 5,	9.1	58
191	Scalable Microaccordion Mesh for Deformable and Stretchable Metallic Films. <i>Physical Review Applied</i> , 2015 , 4,	4.3	12
190	Image excitons and plasmon-exciton strong coupling in two-dimensional perovskite semiconductors. <i>Physical Review B</i> , 2015 , 91,	3.3	24
189	Symmetry breaking polymerization: one-pot synthesis of plasmonic hybrid Janus nanoparticles. <i>Nanoscale</i> , 2015 , 7, 10344-9	7.7	16
188	Revealing Invisible Photonic Inscriptions: Images from Strain. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 13497-502	9.5	70
187	Generalized circuit model for coupled plasmonic systems. <i>Optics Express</i> , 2015 , 23, 33255-69	3.3	45
186	Engineering Gold Nanotubes with Controlled Length and Near-Infrared Absorption for Theranostic Applications. <i>Advanced Functional Materials</i> , 2015 , 25, 2117-2127	15.6	61
185	Monitoring morphological changes in 2D monolayer semiconductors using atom-thick plasmonic nanocavities. <i>ACS Nano</i> , 2015 , 9, 825-30	16.7	86
184	Quantitative multiplexing with nano-self-assemblies in SERS. <i>Scientific Reports</i> , 2014 , 4, 6785	4.9	63
183	Watching individual molecules flex within lipid membranes using SERS. <i>Scientific Reports</i> , 2014 , 4, 5940	4.9	37
182	The rheology and processing of edge sheared colloidal polymer opals. <i>Journal of Rheology</i> , 2014 , 58, 397-409	4.1	11
181	Nonlinear superchiral meta-surfaces: tuning chirality and disentangling non-reciprocity at the nanoscale. <i>Advanced Materials</i> , 2014 , 26, 4074-81	24	97
180	DNA origami based assembly of gold nanoparticle dimers for surface-enhanced Raman scattering. <i>Nature Communications</i> , 2014 , 5, 3448	17.4	316
179	Light-Directed Writing of Chemically Tunable Narrow-Band Holographic Sensors. <i>Advanced Optical Materials</i> , 2014 , 2, 250-254	8.1	98

178	Nanowire-based multifunctional antireflection coatings for solar cells. <i>Nanoscale</i> , 2014 , 6, 14555-62	7.7	32
177	Nanoimprint lithography of Al nanovoids for deep-UV SERS. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 17358-63	9.5	75
176	Molecules in the mirror: how SERS backgrounds arise from the quantum method of images. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 6544-9	3.6	22
175	Al-doped ZnO inverse opal networks as efficient electron collectors in BiVO ₄ photoanodes for solar water oxidation. <i>Energy and Environmental Science</i> , 2014 , 7, 1402-1408	35.4	203
174	Selectively Patterning Polymer Opal Films via Microimprint Lithography. <i>Advanced Optical Materials</i> , 2014 , 2, 1098-1104	8.1	27
173	Harnessing nonlinear rubber swelling for bulk synthesis of anisotropic hybrid nanoparticles. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8745-8749	7.1	10
172	Tuning the Energy of a Polariton Condensate via Bias-Controlled Rabi Splitting. <i>Physical Review Applied</i> , 2014 , 2,	4.3	15
171	Gold nanorods with sub-nanometer separation using cucurbit[n]uril for SERS applications. <i>Small</i> , 2014 , 10, 4298-303	11	41
170	Threading plasmonic nanoparticle strings with light. <i>Nature Communications</i> , 2014 , 5, 4568	17.4	118
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