

Minoru Fujii

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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.

385
papers

11,194
citations

56
h-index

90
g-index

411
ext. papers

12,055
ext. citations

4
avg, IF

6.45
L-index

#	Paper	IF	Citations
385	1.54 h photoluminescence of Er ³⁺ doped into SiO ₂ films containing Si nanocrystals: Evidence for energy transfer from Si nanocrystals to Er ³⁺ . <i>Applied Physics Letters</i> , 1997 , 71, 1198-1200	3.4	481
384	Size-dependent photoluminescence from surface-oxidized Si nanocrystals in a weak confinement regime. <i>Physical Review B</i> , 2000 , 62, 16820-16825	3.3	284
383	Size-dependent near-infrared photoluminescence from Ge nanocrystals embedded in SiO ₂ matrices. <i>Physical Review B</i> , 1998 , 58, 7921-7925	3.3	251
382	Growth of Ge Microcrystals in SiO ₂ Thin Film Matrices: A Raman and Electron Microscopic Study. <i>Japanese Journal of Applied Physics</i> , 1991 , 30, 687-694	1.4	213
381	Silicon Nanocrystals: Photosensitizers for Oxygen Molecules. <i>Advanced Materials</i> , 2005 , 17, 2531-2544	2.4	205
380	Evidence of oxygen vacancy induced room temperature ferromagnetism in solvothermally synthesized undoped TiO ₂ nanoribbons. <i>Nanoscale</i> , 2013 , 5, 5476-88	7.7	203
379	Photoluminescence from SiO ₂ films containing Si nanocrystals and Er: Effects of nanocrystalline size on the photoluminescence efficiency of Er ³⁺ . <i>Journal of Applied Physics</i> , 1998 , 84, 4525-4531	2.5	200
378	Low-frequency Raman scattering from small silver particles embedded in SiO ₂ thin films. <i>Physical Review B</i> , 1991 , 44, 6243-6248	3.3	191
377	Raman identification of onion-like carbon. <i>Carbon</i> , 1998 , 36, 821-826	10.4	185
376	Structure and electronic properties of carbon onions. <i>Journal of Chemical Physics</i> , 2001 , 114, 7477-7482	3.9	173
375	Diamond nanoparticles to carbon onions transformation: X-ray diffraction studies. <i>Carbon</i> , 2002 , 40, 1469-1474	10.4	167
374	Photoluminescence and free-electron absorption in heavily phosphorus-doped Si nanocrystals. <i>Physical Review B</i> , 2000 , 62, 12625-12627	3.3	160
373	Size-dependent near-infrared photoluminescence spectra of Si nanocrystals embedded in SiO ₂ matrices. <i>Solid State Communications</i> , 1997 , 102, 533-537	1.6	159
372	Fast-Response and Flexible Nanocrystal-Based Humidity Sensor for Monitoring Human Respiration and Water Evaporation on Skin. <i>ACS Sensors</i> , 2017 , 2, 828-833	9.2	155
371	Hyperfine structure of the electron spin resonance of phosphorus-doped Si nanocrystals. <i>Physical Review Letters</i> , 2002 , 89, 206805	7.4	147
370	Preparation and characterization of polymer thin films containing silver and silver sulfide nanoparticles. <i>Thin Solid Films</i> , 2000 , 359, 55-60	2.2	144
369	Raman scattering from acoustic phonons confined in Si nanocrystals. <i>Physical Review B</i> , 1996 , 54, R8373-R8376	3.3	142

368	Control of photoluminescence properties of Si nanocrystals by simultaneously doping n- and p-type impurities. <i>Applied Physics Letters</i> , 2004 , 85, 1158-1160	3.4	129
367	Raman scattering from quantum dots of Ge embedded in SiO ₂ thin films. <i>Applied Physics Letters</i> , 1990 , 57, 2692-2694	3.4	126
366	Below bulk-band-gap photoluminescence at room temperature from heavily P- and B-doped Si nanocrystals. <i>Journal of Applied Physics</i> , 2003 , 94, 1990-1995	2.5	118
365	Resonant electronic energy transfer from excitons confined in silicon nanocrystals to oxygen molecules. <i>Physical Review Letters</i> , 2002 , 89, 137401	7.4	118
364	Codoping n- and p-Type Impurities in Colloidal Silicon Nanocrystals: Controlling Luminescence Energy from below Bulk Band Gap to Visible Range. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 11850-11857	3.8	115
363	Raman and surface-enhanced Raman scattering of a series of size-separated polyynes. <i>Carbon</i> , 2006 , 44, 3168-3176	10.4	114
362	Photoluminescence from Si nanocrystals dispersed in phosphosilicate glass thin films: Improvement of photoluminescence efficiency. <i>Applied Physics Letters</i> , 1999 , 75, 184-186	3.4	112
361	Resonant Raman scattering by breathing modes of metal nanoparticles. <i>Journal of Chemical Physics</i> , 2001 , 115, 3444-3447	3.9	109
360	Photoluminescence from Si _{1-x} Ge _x alloy nanocrystals. <i>Physical Review B</i> , 2000 , 61, 15988-15992	3.3	103
359	Photoluminescence from B-doped Si nanocrystals. <i>Journal of Applied Physics</i> , 1998 , 83, 7953-7957	2.5	102
358	Resonant excitation of Er ³⁺ by the energy transfer from Si nanocrystals. <i>Journal of Applied Physics</i> , 2001 , 90, 4761-4767	2.5	100
357	Strong Ultra-Broadband Near-Infrared Photoluminescence from Bismuth-Embedded Zeolites and Their Derivatives. <i>Advanced Materials</i> , 2009 , 21, 3694-3698	24	96
356	Magneto-optical Kerr effects of yttrium-iron garnet thin films incorporating gold nanoparticles. <i>Physical Review Letters</i> , 2006 , 96, 167402	7.4	96
355	All-Inorganic Near-Infrared Luminescent Colloidal Silicon Nanocrystals: High Dispersibility in Polar Liquid by Phosphorus and Boron Codoping. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 17969-17974	3.8	95
354	Evidence for Ti Interstitial Induced Extended Visible Absorption and Near Infrared Photoluminescence from Undoped TiO ₂ Nanoribbons: An In Situ Photoluminescence Study. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 23402-23411	3.8	94
353	Oxygen vacancy-mediated enhanced ferromagnetism in undoped and Fe-doped TiO ₂ nanoribbons. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 235304	3	91
352	Microscopic origin of lattice contraction and expansion in undoped rutile TiO ₂ nanostructures. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 215302	3	90
351	Electron energy-loss spectroscopy of carbon onions. <i>Chemical Physics Letters</i> , 1999 , 305, 225-229	2.5	89

350	Enhancement of upconversion luminescence of Er doped Al ₂ O ₃ films by Ag island films. <i>Applied Physics Letters</i> , 2008 , 92, 132105	3.4	88
349	Control of surface migration of gold particles on Si nanowires. <i>Nano Letters</i> , 2008 , 8, 362-8	11.5	87
348	Nanosecond dynamics of the near-infrared photoluminescence of Er-doped SiO ₂ sensitized with Si nanocrystals. <i>Physical Review Letters</i> , 2006 , 97, 207401	7.4	83
347	Improvement in photoluminescence efficiency of SiO ₂ films containing Si nanocrystals by P doping: An electron spin resonance study. <i>Journal of Applied Physics</i> , 2000 , 87, 1855-1857	2.5	78
346	Coexistence of two different energy transfer processes in SiO ₂ films containing Si nanocrystals and Er. <i>Journal of Applied Physics</i> , 2004 , 95, 272-280	2.5	76
345	Efficient Dual-Modal NIR-to-NIR Emission of Rare Earth Ions Co-doped Nanocrystals for Biological Fluorescence Imaging. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 402-8	6.4	74
344	Giant birefringence in anisotropically nanostructured silicon. <i>Optics Letters</i> , 2001 , 26, 1265-7	3	71
343	Photoluminescence from impurity codoped and compensated Si nanocrystals. <i>Applied Physics Letters</i> , 2005 , 87, 211919	3.4	69
342	A new and simple method for thin graphitic coating of magnetic-metal nanoparticles. <i>Chemical Physics Letters</i> , 2000 , 316, 361-364	2.5	69
341	Phosphorus and Boron Codoped Colloidal Silicon Nanocrystals with Inorganic Atomic Ligands. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 6807-6813	3.8	68
340	Energy transfer in Er-doped SiO ₂ sensitized with Si nanocrystals. <i>Physical Review B</i> , 2008 , 78,	3.3	68
339	All-inorganic water-dispersible silicon quantum dots: highly efficient near-infrared luminescence in a wide pH range. <i>Nanoscale</i> , 2014 , 6, 122-6	7.7	67
338	Size-Dependence of Acceptor and Donor Levels of Boron and Phosphorus Codoped Colloidal Silicon Nanocrystals. <i>Nano Letters</i> , 2016 , 16, 2615-20	11.5	64
337	Size dependence of photoluminescence quantum efficiency of Si nanocrystals. <i>Physical Review B</i> , 2006 , 73,	3.3	64
336	Spectrally resolved electronic energy transfer from silicon nanocrystals to molecular oxygen mediated by direct electron exchange. <i>Physical Review B</i> , 2003 , 68,	3.3	64
335	Upconversion Luminescence of Er and Yb Codoped NaYF ₄ Nanoparticles with Metal Shells. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 1113-1120	3.8	63
334	Enhancement of 1.54- μ m emission from Er-doped sol-gel SiO ₂ films by Au nanoparticles doping. <i>Journal of Applied Physics</i> , 2005 , 98, 024316	2.5	63
333	Quantum Size Effects in Ge Microcrystals Embedded in SiO ₂ Thin Films. <i>Japanese Journal of Applied Physics</i> , 1989 , 28, L1464-L1466	1.4	62

332	Graphene-assisted controlled growth of highly aligned ZnO nanorods and nanoribbons: growth mechanism and photoluminescence properties. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 377-87	9.5	61
331	All-inorganic colloidal silicon nanocrystals-surface modification by boron and phosphorus co-doping. <i>Nanotechnology</i> , 2016 , 27, 262001	3.4	59
330	Ultrabroad near-infrared photoluminescence from Bi ₅ (AlCl ₄) ₃ crystal. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4060		58
329	Highly fluorescent silica-coated bismuth-doped aluminosilicate nanoparticles for near-infrared bioimaging. <i>Small</i> , 2011 , 7, 199-203	11	56
328	Chemical reaction mediated by excited states of Si nanocrystalsSinglet oxygen formation in solution. <i>Journal of Applied Physics</i> , 2004 , 95, 3689-3693	2.5	56
327	Atom Probe Tomography Analysis of Boron and/or Phosphorus Distribution in Doped Silicon Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 17845-17852	3.8	55
326	Optical extinction properties of carbon onions prepared from diamond nanoparticles. <i>Physical Review B</i> , 2002 , 66,	3.3	52
325	Ultrabroad near-infrared photoluminescence from ionic liquids containing subvalent bismuth. <i>Optics Letters</i> , 2011 , 36, 100-2	3	51
324	Current transport properties of SiO ₂ films containing Ge nanocrystals. <i>Journal of Applied Physics</i> , 1998 , 83, 1507-1512	2.5	51
323	Distribution of active impurities in single silicon nanowires. <i>Nano Letters</i> , 2008 , 8, 2620-4	11.5	50
322	Origin of visible and near-infrared photoluminescence from chemically etched Si nanowires decorated with arbitrarily shaped Si nanocrystals. <i>Nanotechnology</i> , 2014 , 25, 045703	3.4	49
321	Photodegradation of porous silicon induced by photogenerated singlet oxygen molecules. <i>Applied Physics Letters</i> , 2004 , 85, 3590-3592	3.4	46
320	Quenching of photoluminescence from Si nanocrystals caused by boron doping. <i>Solid State Communications</i> , 1999 , 109, 561-565	1.6	46
319	The single-band red upconversion luminescence from morphology and size controllable Er ³⁺ /Yb ³⁺ doped MnF ₂ nanostructures. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 1736	7.1	45
318	Silicon nanocrystals with high boron and phosphorus concentration hydrophilic shellRaman scattering and X-ray photoelectron spectroscopic studies. <i>Journal of Applied Physics</i> , 2014 , 115, 084301	2.5	44
317	Spatial coherence effect on the low-frequency Raman scattering from metallic nanoclusters. <i>Physical Review B</i> , 2001 , 63,	3.3	44
316	Broadband DielectricMetal Hybrid Nanoantenna: Silicon Nanoparticle on a Mirror. <i>ACS Photonics</i> , 2018 , 5, 1986-1993	6.3	43
315	Hopping conduction in SiO ₂ films containing C, Si, and Ge clusters. <i>Applied Physics Letters</i> , 1996 , 68, 3749-3751	3.4	43

314	Generation of singlet oxygen at room temperature mediated by energy transfer from photoexcited porous Si. <i>Physical Review B</i> , 2004 , 70,	3.3	42
313	Upconversion Luminescence of Rare-Earth-Doped Y2O3 Nanoparticle with Metal Nano-Cap. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 1175-1179	3.8	39
312	Transformation of carbon onions to diamond by low-temperature heat treatment in air. <i>Diamond and Related Materials</i> , 2000 , 9, 856-860	3.5	39
311	Time-resolved photoluminescence studies of the energy transfer from excitons confined in Si nanocrystals to oxygen molecules. <i>Physical Review B</i> , 2005 , 72,	3.3	38
310	Plasmonic effects on strong exciton-photon coupling in metal-insulator-metal microcavities. <i>Physical Review B</i> , 2012 , 86,	3.3	37
309	Doping of B atoms into Si nanocrystals prepared by rf cosputtering. <i>Solid State Communications</i> , 1996 , 100, 227-230	1.6	36
308	Colloidal Dispersion of Subquarter Micrometer Silicon Spheres for Low-Loss Antenna in Visible Regime. <i>Advanced Optical Materials</i> , 2017 , 5, 1700332	8.1	35
307	Electron spin resonance studies of P and B codoped Si nanocrystals. <i>Applied Physics Letters</i> , 2008 , 93, 021920	3.4	35
306	Single-electron tunneling through Si nanocrystals dispersed in phosphosilicate glass thin films. <i>Journal of Applied Physics</i> , 1999 , 86, 3199-3203	2.5	35
305	Infrared absorption in SiO2-Ge composite films: Influences of Ge microcrystals on the longitudinal-optical phonons in SiO2. <i>Physical Review B</i> , 1992 , 46, 15930-15935	3.3	35
304	Spectrally resolved energy transfer from excitons in Si nanocrystals to Er ions. <i>Physical Review B</i> , 2005 , 71,	3.3	34
303	All-Painting Process To Produce Respiration Sensor Using Humidity-Sensitive Nanoparticle Film and Graphite Trace. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 12217-12223	8.3	32
302	Superbroadband near-IR nano-optical source based on bismuth-doped high-silica nanocrystalline zeolites. <i>Optics Letters</i> , 2009 , 34, 1219-21	3	32
301	Raman Scattering Studies of Electrically Active Impurities in in Situ B-Doped Silicon Nanowires: Effects of Annealing and Oxidation. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 15160-15165	3.8	32
300	Surface-enhanced Raman scattering from polyynes solutions. <i>Chemical Physics Letters</i> , 2006 , 420, 166-170.	2.5	32
299	Surfactant-free solution-dispersible Si nanocrystals surface modification by impurity control. <i>Optics Letters</i> , 2011 , 36, 4026-8	3	31
298	Raman scattering by electron-hole excitations in silver nanocrystals. <i>Physical Review B</i> , 2001 , 63,	3.3	31
297	Hybridized Plasmonic Gap Mode of Gold Nanorod on Mirror Nanoantenna for Spectrally Tailored Fluorescence Enhancement. <i>ACS Photonics</i> , 2018 , 5, 3421-3427	6.3	30

296	Electron spin-resonance studies of conduction electrons in phosphorus-doped silicon nanocrystals. <i>Journal of Applied Physics</i> , 2007 , 101, 033504	2.5	30
295	The impact of doped silicon quantum dots on human osteoblasts. <i>RSC Advances</i> , 2016 , 6, 63403-63413	3.7	29
294	Form birefringence of anisotropically nanostructured silicon. <i>Physical Review B</i> , 2005 , 71,	3.3	29
293	Effect of Ag/Au bilayer assisted etching on the strongly enhanced photoluminescence and visible light photocatalysis by Si nanowire arrays. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 7715-27	3.6	28
292	Europium doping induced symmetry deviation and its impact on the second harmonic generation of doped ZnO nanowires. <i>Nanotechnology</i> , 2014 , 25, 225202	3.4	28
291	Phosphorus and boron codoping of silicon nanocrystals by ion implantation: Photoluminescence properties. <i>Physical Review B</i> , 2012 , 85,	3.3	28
290	Thin Films of Carbon Nanocapsules and Onion-Like Graphitic Particles Prepared by the Cosputtering Method. <i>Japanese Journal of Applied Physics</i> , 2000 , 39, 6680-6683	1.4	28
289	Formation of Co filled carbon nanocapsules by metal-template graphitization of diamond nanoparticles. <i>Journal of Applied Physics</i> , 2000 , 88, 5452-5456	2.5	28
288	Decay dynamics of near-infrared photoluminescence from Ge nanocrystals. <i>Applied Physics Letters</i> , 1999 , 74, 1558-1560	3.4	28
287	Quantitative Understanding of Charge-Transfer-Mediated Fe Sensing and Fast Photoresponse by N-Doped Graphene Quantum Dots Decorated on Plasmonic Au Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4755-4768	9.5	28
286	Synthesis of boron and phosphorus codoped all-inorganic colloidal silicon nanocrystals from hydrogen silsesquioxane. <i>Nanoscale</i> , 2014 , 6, 12354-9	7.7	27
285	Modification of energy transfer from Si nanocrystals to Er ³⁺ near a Au thin film. <i>Physical Review B</i> , 2005 , 72,	3.3	27
284	Silicon nanocrystal-noble metal hybrid nanoparticles. <i>Nanoscale</i> , 2016 , 8, 10956-62	7.7	27
283	Mechanism of defect induced ferromagnetism in undoped and Cr doped TiO ₂ nanorods/nanoribbons. <i>Journal of Alloys and Compounds</i> , 2016 , 661, 331-344	5.7	26
282	Nonlinear optical properties of silicon nanoclusters/nanocrystals doped SiO ₂ films: Annealing temperature dependence. <i>Journal of Applied Physics</i> , 2010 , 108, 063512	2.5	26
281	Laser ablation of diamond particles suspended in ethanol: Effective formation of long polyynes. <i>Carbon</i> , 2006 , 44, 522-529	10.4	26
280	Mie Resonator Color Inks of Monodispersed and Perfectly Spherical Crystalline Silicon Nanoparticles. <i>Advanced Optical Materials</i> , 2020 , 8, 2000033	8.1	26
279	Excitation of Nonradiating Anapoles in Dielectric Nanospheres. <i>Physical Review Letters</i> , 2020 , 124, 097402	7.4	25

- 278 Enhancement and suppression of energy transfer from Si nanocrystals to Er ions through a control of the photonic mode density. *Physical Review B*, **2006**, 74, 3-3 25
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- 276 Ferromagnetic resonance study of diluted Fe nanogranular films. *Journal of Applied Physics*, **2004**, 95, 8194-8198 2.5 25
- 275 Excitation of Nd³⁺ and Tm³⁺ by the energy transfer from Si nanocrystals. *Physica E: Low-Dimensional Systems and Nanostructures*, **2002**, 13, 1038-1042 3 25
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- 273 Silica Nanoparticle-Based Portable Respiration Sensor for Analysis of Respiration Rate, Pattern, and Phase During Exercise **2018**, 2, 1-4 24
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- 268 Aluminum doped core-shell ZnO/ZnS nanowires: Doping and shell layer induced modification on structural and photoluminescence properties. *Journal of Applied Physics*, **2013**, 114, 134307 2.5 23
- 267 Spectroscopic characterization of bismuth embedded Y zeolites. *Applied Physics Letters*, **2010**, 97, 131903 3-4 23
- 266 Effects of molecular orientation on surface-plasmon-coupled emission patterns. *Applied Physics Letters*, **2007**, 91, 183110 3-4 23
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- 263 Photoluminescence signature of resonant energy transfer in ZnO coated Si nanocrystals decorated on vertical Si nanowires array. *Journal of Alloys and Compounds*, **2015**, 638, 419-428 5-7 22
- 262 Acceptor-related low-energy photoluminescence from boron-doped Si nanocrystals. *Journal of Applied Physics*, **2011**, 110, 063528 2.5 22
- 261 Formation of metal nanoparticles in silicon nanopores: Plasmon resonance studies. *Applied Physics Letters*, **2011**, 98, 011912 3-4 22

260	Resonant photon tunneling via surface plasmon polaritons through one-dimensional metal-dielectric metamaterials. <i>Optics Express</i> , 2008 , 16, 9942-50	3.3	22
259	Enhancement of photoluminescence from excitons in silicon nanocrystals via coupling to surface plasmon polaritons. <i>Journal of Applied Physics</i> , 2007 , 102, 023506	2.5	22
258	Photoluminescence Enhancement of Silicon Quantum Dot Monolayer by Double Resonance Plasmonic Substrate. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 11609-11615	3.8	21
257	Evidence for plasmonic hot electron injection induced superior visible light photocatalysis by g-C ₃ N ₄ nanosheets decorated with Ag ₃ IO ₂ (B) and Au ₃ IO ₂ (B) nanorods. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 201, 110053	6.4	21
256	Size-dependent donor and acceptor states in codoped Si nanocrystals studied by scanning tunneling spectroscopy. <i>Nanoscale</i> , 2017 , 9, 17884-17892	7.7	21
255	Efficient near-infrared luminescence and energy transfer in erbium/bismuth codoped zeolites. <i>Optics Letters</i> , 2010 , 35, 1926-8	3	21
254	Dynamics of photosensitized formation of singlet oxygen by porous silicon in aqueous solution. <i>Journal of Applied Physics</i> , 2006 , 100, 124302	2.5	21
253	Breakdown of the k-conservation rule in Si _{1-x} Ge _x alloy nanocrystals: Resonant photoluminescence study. <i>Journal of Applied Physics</i> , 2000 , 88, 5772-5776	2.5	21
252	Donor-Acceptor Pair Recombination in Size-Purified Silicon Quantum Dots. <i>Nano Letters</i> , 2018 , 18, 7282-7288	7.8	21
251	Broadband enhancement of local density of states using silicon-compatible hyperbolic metamaterials. <i>Applied Physics Letters</i> , 2015 , 106, 241105	3.4	20
250	Surface Structure and Current Transport Property of Boron and Phosphorus Co-Doped Silicon Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 195-200	3.8	20
249	Enhancement of photoluminescence from silicon nanocrystals by metal nanostructures made by nanosphere lithography. <i>Journal of Applied Physics</i> , 2009 , 106, 013517	2.5	20
248	Defective Carbon Onions in Interstellar Space as the Origin of the Optical Extinction Bump at 217.5 Nanometers. <i>Astrophysical Journal</i> , 2004 , 609, 220-224	4.7	20
247	Laser ablation of diamond nanoparticles suspended in solvent: synthesis of polyynes. <i>Chemical Physics Letters</i> , 2004 , 395, 138-142	2.5	20
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243	Forward to Backward Scattering Ratio of Dielectric-Metal Heterodimer Suspended in Almost Free-Space. <i>Advanced Optical Materials</i> , 2019 , 7, 1900591	8.1	19

242	Mechanism of enhanced light emission from an emitting layer embedded in metal-insulator-metal structures. <i>Physical Review B</i> , 2010 , 82,	3.3	19
241	Broadband rugate filters based on porous silicon. <i>Optical Materials</i> , 2008 , 31, 102-105	3.3	19
240	Excitation of intra-4f shell luminescence of Yb ³⁺ by energy transfer from Si nanocrystals. <i>Applied Physics Letters</i> , 1998 , 73, 3108-3110	3.4	19
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238	Silicon quantum dots with heavily boron and phosphorus codoped shell. <i>Chemical Communications</i> , 2018 , 54, 4375-4389	5.8	18
237	Green to red tunable upconversion fluorescence from Bi ³⁺ /Yb ³⁺ codoped zeolites. <i>Microporous and Mesoporous Materials</i> , 2013 , 173, 43-46	5.3	18
236	Molten-Salt Synthesis and Characterization of Nickel-Doped Forsterite Nanocrystals. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 962-966	3.8	18
235	Room-temperature below bulk-Si band gap photoluminescence from P and B co-doped and compensated Si nanocrystals with narrow size distributions. <i>Journal of Luminescence</i> , 2011 , 131, 1066-1069	3.8	18
234	Dichroic rugate filters based on birefringent porous silicon. <i>Optics Express</i> , 2008 , 16, 15531-9	3.3	18
233	Dichroic behavior of multilayer structures based on anisotropically nanostructured silicon. <i>Journal of Applied Physics</i> , 2002 , 91, 6704	2.5	18
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231	Controlling Energy Transfer in Silicon Quantum Dot Assemblies Made from All-Inorganic Colloidal Silicon Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 24469-24475	3.8	18
230	Enhanced photoluminescence of Si nanocrystals-doped cellulose nanofibers by plasmonic light scattering. <i>Applied Physics Letters</i> , 2015 , 107, 041111	3.4	17
229	Synthesis of Er ³⁺ /Yb ³⁺ codoped NaMnF ₃ nanocubes with single-band red upconversion luminescence. <i>RSC Advances</i> , 2014 , 4, 61891-61897	3.7	17
228	Reversible emission evolution from Ag activated zeolite Na-A upon dehydration/hydration. <i>Applied Physics Letters</i> , 2014 , 105, 211903	3.4	17
227	Sensitized superbroadband near-IR emission in bismuth glass/Si nanocrystal superlattices. <i>Optics Letters</i> , 2010 , 35, 2215-7	3	17
226	Nonlinear optical properties of Si nanocrystals embedded in SiO ₂ prepared by a cosputtering method. <i>Journal of Applied Physics</i> , 2009 , 105, 093531	2.5	17
225	Nonlinear optical properties of phosphorous-doped Si nanocrystals embedded in phosphosilicate glass thin films. <i>Optics Express</i> , 2009 , 17, 7368-76	3.3	17

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