

# Minoru Fujii

## 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.

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	Resonance Couplings in Si@MoS Core-Shell Architectures.. <i>Small</i> , <b>2022</b> , e2200413	11	2
384	Optical spin sorting chain. <i>Optics Express</i> , <b>2021</b> , 29, 34951-34961	3.3	1
383	Direct Excitation of Triplet State of Molecule by Enhanced Magnetic Field of Dielectric Metasurfaces. <i>Small</i> , <b>2021</b> , 17, e2104458	11	0
382	Thermal near-field tuning of silicon Mie nanoparticles. <i>Nanophotonics</i> , <b>2021</b> ,	6.3	6
381	Structure and Properties of Heavily B and P Codoped Amorphous Silicon Quantum Dots. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 23267-23274	3.8	
380	Magnetic Purcell Enhancement by Magnetic Quadrupole Resonance of Dielectric Nanosphere Antenna. <i>ACS Photonics</i> , <b>2021</b> , 8, 1794-1800	6.3	8
379	Plasmon Launching and Scattering by Silicon Nanoparticles. <i>ACS Photonics</i> , <b>2021</b> , 8, 1582-1591	6.3	10
378	MENP: an open-source MATLAB implementation of multipole expansion for nanophotonics. <i>OSA Continuum</i> , <b>2021</b> , 4, 1640	1.4	13
377	Optimizing plasmon enhanced luminescence in silicon nanocrystals by gold nanorods. <i>Nanoscale</i> , <b>2021</b> , 13, 5045-5057	7.7	5
376	Colloidal Mie Resonators for All-Dielectric Metaoptics. <i>Advanced Photonics Research</i> , <b>2021</b> , 2, 2000111	1.9	5
375	Angle-, Polarization-, and Wavelength-Resolved Light Scattering of Single Mie Resonators Using Fourier-Plane Spectroscopy. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2002192	8.1	6
374	Color Toning of Mie Resonant Silicon Nanoparticle Color Inks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 13613-13619	9.5	8
373	Dual modulating luminescence in all-inorganic perovskite CsPbBr <sub>3</sub> quantum dots. <i>Optical Materials</i> , <b>2021</b> , 113, 110822	3.3	5
372	Colloidal Mie resonant silicon nanoparticles. <i>Nanotechnology</i> , <b>2021</b> , 32,	3.4	4
371	Solution-processed silicon quantum dot photocathode for hydrogen evolution. <i>Nanotechnology</i> , <b>2021</b> , 32,	3.4	2
370	Triplex Glass Laminates with Silicon Quantum Dots for Luminescent Solar Concentrators. <i>Solar Rrl</i> , <b>2020</b> , 4, 2000195	7.1	16
369	Excitation of Nonradiating Anapoles in Dielectric Nanospheres. <i>Physical Review Letters</i> , <b>2020</b> , 124, 097402	24	25

368	3D microstructure analysis of silicon-boron phosphide mixed nanocrystals. <i>Nanoscale</i> , <b>2020</b> , 12, 7256-7267		0
367	Observation of Fano line shape in directional fluorescence emission mediated by coupled planar waveguide modes and interpretation based on Lorentz reciprocity. <i>AIP Advances</i> , <b>2020</b> , 10, 075302	1.5	1
366	Visible-light driven photocatalytic hydrogen generation by water-soluble all-inorganic core-shell silicon quantum dots. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 15789-15794	13	8
365	Wide-range line shape control of Fano-like resonances in all-dielectric multilayer structures based on enhanced light absorption in photochromic waveguide layers. <i>Journal of Applied Physics</i> , <b>2020</b> , 127, 073103	2.5	1
364	Selective excitation and enhancement of multipolar resonances in dielectric nanospheres using cylindrical vector beams. <i>Journal of Applied Physics</i> , <b>2020</b> , 127, 033101	2.5	12
363	Precise size separation of water-soluble red-to-near-infrared-luminescent silicon quantum dots by gel electrophoresis. <i>Nanoscale</i> , <b>2020</b> , 12, 9266-9271	7.7	6
362	(Invited) Photoelectrochemical Properties of All-Inorganic Core/Shell Silicon Quantum Dots. <i>ECS Meeting Abstracts</i> , <b>2020</b> , MA2020-01, 1061-1061	0	
361	Silicon Quantum Dot Supraparticles for Fluorescence Bioimaging. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 6099-6107	5.6	11
360	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 &amp; Interfaces</i> , <b>2020</b> , 12, 4755-4768	9.5	28
359	Colloidal Solutions of Silicon Nanospheres toward All-Dielectric Optical Metafluids. <i>Nano Letters</i> , <b>2020</b> , 20, 7737-7743	11.5	12
358	Silicon Nanowire on Mirror Nanoantennas: Engineering Hybrid Gap Mode for Light Sources and Sensing Platforms. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 7223-7230	5.6	2
357	Stable near-infrared photoluminescence from silicon quantum dot-bovine serum albumin composites. <i>MRS Communications</i> , <b>2020</b> , 10, 680-686	2.7	0
356	Coupled Toroidal Dipole Modes in Silicon Nanodisk Metasurface: Polarization Independent Narrow Band Absorption and Directional Emission. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2001148	8.1	12
355	Mie Resonator Color Inks of Monodispersed and Perfectly Spherical Crystalline Silicon Nanoparticles. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000033	8.1	26
354	Absolute Scattering Cross Sections of Titanium Nitride Nanoparticles Determined by Single-Particle Spectroscopy: Implications for Plasmonic Nanoantennas. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 6769-6773	5.6	3
353	Distribution of boron and phosphorus and roles of co-doping in colloidal silicon nanocrystals. <i>Acta Materialia</i> , <b>2019</b> , 178, 186-193	8.4	5
352	Elongated Metal Nanocap with Two Magnetic Dipole Resonances and Its Application for Upconversion Enhancement. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 25809-25815	3.8	1
351	Light-controllable Fano resonance in azo-dye-doped all-dielectric multilayer structure. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 223101	2.5	6

350	Silver nanoparticles stabilized with a silicon nanocrystal shell and their antimicrobial activity.. <i>RSC Advances</i> , <b>2019</b> , 9, 15171-15176	3.7	2
349	Shrinkage and expansion of discharge areas in plasma discharge devices having complex oxide protective layers. <i>Journal of Physics and Chemistry of Solids</i> , <b>2019</b> , 130, 172-179	3.9	1
348	Digital image analysis for measuring nanogap distance produced by adhesion lithography. <i>Nanotechnology</i> , <b>2019</b> , 30, 285303	3.4	1
347	Forward to Backward Scattering Ratio of DielectricMetal Heterodimer Suspended in Almost Free-Space. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900591	8.1	19
346	Size-Dependent Photocatalytic Activity of Cubic Boron Phosphide Nanocrystals in the Quantum Confinement Regime. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 23226-23235	3.8	6
345	Evidence for plasmonic hot electron injection induced superior visible light photocatalysis by g-C <sub>3</sub> N <sub>4</sub> nanosheets decorated with Ag <sup>+</sup> /TiO <sub>2</sub> (B) and Au <sup>+</sup> /TiO <sub>2</sub> (B) nanorods. <i>Solar Energy Materials and Solar Cells</i> , <b>2019</b> , 201, 110053	6.4	21
344	Antibody-conjugated near-infrared luminescent silicon quantum dots for biosensing. <i>MRS Communications</i> , <b>2019</b> , 9, 1079-1086	2.7	9
343	Fano resonant behaviour of waveguide mode in all-dielectric multilayer structure directly monitored by fluorescence of embedded dye molecules. <i>Journal of Optics (United Kingdom)</i> , <b>2019</b> , 21, 105006	1.7	3
342	Respiratory rate on exercise measured by nanoparticle-based humidity sensor. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2019</b> , 2019, 3567-3570	0.9	7
341	Electrically Stimulated Synaptic Resistive Switch in Solution-Processed Silicon Nanocrystal Thin Film: Formation Mechanism of Oxygen Vacancy Filament for Synaptic Function. <i>ACS Applied Electronic Materials</i> , <b>2019</b> , 1, 2664-2670	4	4
340	Gold nanopillar array with sharp surface plasmon resonances and the application in immunoassay. <i>Journal of Applied Physics</i> , <b>2019</b> , 126, 223104	2.5	2
339	Charge Transfer-Induced Photobrightening of Silicon Quantum Dots in Water Containing a Molecular Reductant. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 1512-1518	3.8	1
338	Mechanisms for the degradation of phosphor excitation efficiency by short wavelength vacuum ultraviolet radiation in plasma discharge devices. <i>Journal of Physics and Chemistry of Solids</i> , <b>2019</b> , 124, 274-280	3.9	4
337	Silica Nanoparticle-Based Portable Respiration Sensor for Analysis of Respiration Rate, Pattern, and Phase During Exercise <b>2018</b> , 2, 1-4		24
336	Negligible Electronic Interaction between Photoexcited ElectronHole Pairs and Free Electrons in PhosphorusBoron Co-Doped Silicon Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 6397-6404	3.8	11
335	Plasmonic enhancement of second-harmonic generation of dielectric layer embedded in metal-dielectric-metal structure. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 123103	2.5	2
334	Silicon Quantum Dots and Their Impact on Different Human Cells. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700597	1.3	11
333	Size-Dependent Photocatalytic Activity of Colloidal Silicon Quantum Dot. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 1874-1880	3.8	16

332	Silicon quantum dots with heavily boron and phosphorus codoped shell. <i>Chemical Communications</i> , <b>2018</b> , 54, 4375-4389	5.8	18
331	Assembling silicon quantum dots into wires, networks and rods via metal ion bridges. <i>Nanoscale</i> , <b>2018</b> , 10, 7597-7604	7.7	2
330	Visualizing a core-shell structure of heavily doped silicon quantum dots by electron microscopy using an atomically thin support film. <i>Nanoscale</i> , <b>2018</b> , 10, 7357-7362	7.7	19
329	Broadband Dielectric-Metal Hybrid Nanoantenna: Silicon Nanoparticle on a Mirror. <i>ACS Photonics</i> , <b>2018</b> , 5, 1986-1993	6.3	43
328	Hybridized Plasmonic Gap Mode of Gold Nanorod on Mirror Nanoantenna for Spectrally Tailored Fluorescence Enhancement. <i>ACS Photonics</i> , <b>2018</b> , 5, 3421-3427	6.3	30
327	Metal-Core/Dielectric-Shell/Metal-Cap Composite Nanoparticle for Upconversion Enhancement. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 17465-17472	3.8	5
326	All-Painting Process To Produce Respiration Sensor Using Humidity-Sensitive Nanoparticle Film and Graphite Trace. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 12217-12223	8.3	32
325	Optical Birefringence of Porous Silicon <b>2018</b> , 353-361		1
324	Donor-Acceptor Pair Recombination in Size-Purified Silicon Quantum Dots. <i>Nano Letters</i> , <b>2018</b> , 18, 7282-7288	7.8	21
323	Critical Size for Carrier Delocalization in Doped Silicon Nanocrystals: A Study by Ultrafast Spectroscopy. <i>ACS Photonics</i> , <b>2018</b> , 5, 4037-4045	6.3	5
322	Fano resonances in near-field absorption in all-dielectric multilayer structures. <i>Journal of Optics (United Kingdom)</i> , <b>2018</b> , 20, 125003	1.7	7
321	Growth of Core-Shell Silicon Quantum Dots in Borophosphosilicate Glass Matrix: Raman and Transmission Electron Microscopic Studies. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 21069-21075	3.8	3
320	One-Step Discrete Symmetric Arrangement of Magnetic Microspheres with Nanoscale Spacing Immobilized by Ultraviolet Irradiation toward Plasmonic Resonators. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 6055-6062	5.6	
319	Forming-free resistive switching in solution-processed silicon nanocrystal thin film. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 085113	2.5	4
318	Solution Processing of Hydrogen-Terminated Silicon Nanocrystal for Flexible Electronic Device. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 20672-20678	9.5	10
317	Toward Practical Carrier Multiplication: Donor/Acceptor Codoped Si Nanocrystals in SiO <sub>2</sub> . <i>ACS Photonics</i> , <b>2018</b> , 5, 2843-2849	6.3	8
316	Long-lived luminescence of colloidal silicon quantum dots for time-gated fluorescence imaging in the second near infrared window in biological tissue. <i>Nanoscale</i> , <b>2018</b> , 10, 13902-13907	7.7	15
315	Conversion efficiency of an energy harvester based on resonant tunneling through quantum dots with heat leakage. <i>Nanotechnology</i> , <b>2017</b> , 28, 095403	3.4	4

314	Photoluminescence Enhancement of Silicon Quantum Dot Monolayer by Double Resonance Plasmonic Substrate. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 11609-11615	3.8	21
313	Charge-Transfer-Induced Photoluminescence Enhancement in Colloidal Silicon Quantum Dots. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 11962-11967	3.8	9
312	Silicon Quantum Dots in Dielectric Scattering Media: Broadband Enhancement of Effective Absorption Cross Section by Light Trapping. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 19135-19142	9.5	11
311	Fast-Response and Flexible Nanocrystal-Based Humidity Sensor for Monitoring Human Respiration and Water Evaporation on Skin. <i>ACS Sensors</i> , <b>2017</b> , 2, 828-833	9.2	155
310	Technology and characterization of MIS structures with co-doped silicon nanocrystals (Si-NCs) embedded in hafnium oxide (HfOx) ultra-thin layers. <i>Microelectronic Engineering</i> , <b>2017</b> , 178, 298-303	2.5	5
309	Silicon Quantum Dot Composites for Nanophotonics <b>2017</b> , 233-246		1
308	Controlling Surface Plasmon Resonance of Metal Nanocap for Upconversion Enhancement. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 8077-8083	3.8	15
307	Colloidal Dispersion of Subquarter Micrometer Silicon Spheres for Low-Loss Antenna in Visible Regime. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1700332	8.1	35
306	Direct Microrolling Processing on a Silicon Wafer. <i>Small</i> , <b>2017</b> , 13, 1701630	11	2
305	Photoluminescence enhancement of silicon quantum dot monolayer by plasmonic substrate fabricated by nano-imprint lithography. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 223101	2.5	8
304	Size-dependent donor and acceptor states in codoped Si nanocrystals studied by scanning tunneling spectroscopy. <i>Nanoscale</i> , <b>2017</b> , 9, 17884-17892	7.7	21
303	Line shape engineering of sharp Fano resonance in Al-based metal-dielectric multilayer structure. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 163103	2.5	15
302	New insights into the red luminescent bovine serum albumin conjugated gold nanospecies. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 691, 860-865	5.7	3
301	Battery-powered wearable respiration sensor chip with nanocrystal thin film <b>2017</b> ,		3
300	Near-infrared luminescent colloidal silicon nanocrystals. <i>Series in Materials Science and Engineering</i> , <b>2017</b> , 399-412		
299	Atom Probe Tomography Analysis of Boron and/or Phosphorus Distribution in Doped Silicon Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 17845-17852	3.8	55
298	Doping efficiency and confinement of donors in embedded and free standing Si nanocrystals. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	14
297	Optical generation of electron-hole pairs in phosphor and boron co-doped Si nanocrystals in SiO <sub>2</sub> . <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2016</b> , 213, 2863-2866	1.6	6

296	Water-dispersible near-infrared luminescent silicon nanocrystals -immobilization on substrate. <i>MRS Communications</i> , <b>2016</b> , 6, 429-436	2.7	3
295	The impact of doped silicon quantum dots on human osteoblasts. <i>RSC Advances</i> , <b>2016</b> , 6, 63403-63413	3.7	29
294	Size-Dependence of Acceptor and Donor Levels of Boron and Phosphorus Codoped Colloidal Silicon Nanocrystals. <i>Nano Letters</i> , <b>2016</b> , 16, 2615-20	11.5	64
293	Surface Structure and Current Transport Property of Boron and Phosphorus Co-Doped Silicon Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 195-200	3.8	20
292	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> , <b>2016</b> , 18, 7715-27	3.6	28
291	Mechanism of defect induced ferromagnetism in undoped and Cr doped TiO <sub>2</sub> nanorods/nanoribbons. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 661, 331-344	5.7	26
290	Chapter 7 All-Inorganic Colloidal Silicon Nanocrystals <b>2016</b> , 191-220		
289	All-inorganic colloidal silicon nanocrystals-surface modification by boron and phosphorus co-doping. <i>Nanotechnology</i> , <b>2016</b> , 27, 262001	3.4	59
288	DNA assembly of silicon quantum dots/gold nanoparticle nanocomposites. <i>RSC Advances</i> , <b>2016</b> , 6, 63933-63939	3.7	15
287	Fluorescence Enhancement and Spectral Shaping of Silicon Quantum Dot Monolayer by Plasmonic Gap Resonances. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 28795-28801	3.8	16
286	Probing Purcell enhancement in plasmonic nanoantennas by broadband luminescent Si quantum dots. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 241103	3.4	6
285	Phenomenological theory of optical broadening in zero-dimensional systems applied to silicon nanocrystals. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 153107	3.4	1
284	Integration of colloidal silicon nanocrystals on metal electrodes in single-electron transistor. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 213104	3.4	4
283	Atom probe tomography of phosphorus- and boron-doped silicon nanocrystals with various compositions of silicon rich oxide. <i>MRS Communications</i> , <b>2016</b> , 6, 283-288	2.7	10
282	Combined analysis of energy band diagram and equivalent circuit on nanocrystal solid. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 215304	2.5	10
281	Single-dot spectroscopy of boron and phosphorus codoped silicon quantum dots. <i>Journal of Applied Physics</i> , <b>2016</b> , 120, 164307	2.5	10
280	Silicon nanocrystal-noble metal hybrid nanoparticles. <i>Nanoscale</i> , <b>2016</b> , 8, 10956-62	7.7	27
279	Controlling Energy Transfer in Silicon Quantum Dot Assemblies Made from All-Inorganic Colloidal Silicon Quantum Dots. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 24469-24475	3.8	18



278	Plasmon-Enhanced Emission Rate of Silicon Nanocrystals in Gold Nanorod Composites. <i>ACS Photonics</i> , <b>2015</b> , 2, 1298-1305	6.3	22
277	Energy Transfer in Silicon Nanocrystal Solids Made from All-Inorganic Colloidal Silicon Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 2761-6	6.4	24
276	Photoluminescence signature of resonant energy transfer in ZnO coated Si nanocrystals decorated on vertical Si nanowires array. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 638, 419-428	5.7	22
275	Surface Plasmon-Enhanced Luminescence of Silicon Quantum Dots in Gold Nanoparticle Composites. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 25108-25113	3.8	19
274	Resonant Energy Transfer in Si Nanocrystal Solids. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 19565-19570	3.8	23
273	Visible emission from Ag(+) exchanged SOD zeolites. <i>Nanoscale</i> , <b>2015</b> , 7, 15665-71	7.7	18
272	Broadband enhancement of local density of states using silicon-compatible hyperbolic metamaterials. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 241105	3.4	20
271	Size and dopant-concentration dependence of photoluminescence properties of ion-implanted phosphorus- and boron-codoped Si nanocrystals. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	16
270	Size confinement of Si nanocrystals in multilayer structures. <i>Scientific Reports</i> , <b>2015</b> , 5, 17289	4.9	16
269	Enhanced photoluminescence of Si nanocrystals-doped cellulose nanofibers by plasmonic light scattering. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 041111	3.4	17
268	Second-order nonlinear optical behavior of amorphous SiO <sub>x</sub> thin films grown by sputtering. <i>Journal of Physics D: Applied Physics</i> , <b>2015</b> , 48, 395101	3	2
267	Size-controlled growth of cubic boron phosphide nanocrystals. <i>RSC Advances</i> , <b>2015</b> , 5, 8427-8431	3.7	15
266	Room temperature direct imprinting of porous glass prepared from phase-separated glass. <i>Nanotechnology</i> , <b>2015</b> , 26, 255304	3.4	4
265	Growth of novel boron-rich nanocrystals from oxygen-deficient borophosphosilicate glasses for boron neutron capture therapy. <i>RSC Advances</i> , <b>2015</b> , 5, 98248-98253	3.7	6
264	Upconversion Luminescence of Rare-Earth-Doped Y <sub>2</sub> O <sub>3</sub> Nanoparticle with Metal Nano-Cap. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 1175-1179	3.8	39
263	All-inorganic water-dispersible silicon quantum dots: highly efficient near-infrared luminescence in a wide pH range. <i>Nanoscale</i> , <b>2014</b> , 6, 122-6	7.7	67
262	Enhanced red photoluminescence of samarium in zeolite A by interaction with silver ions. <i>Japanese Journal of Applied Physics</i> , <b>2014</b> , 53, 022102	1.4	3
261	Optical Birefringence of Porous Silicon <b>2014</b> , 1-8		



260	Origin of visible and near-infrared photoluminescence from chemically etched Si nanowires decorated with arbitrarily shaped Si nanocrystals. <i>Nanotechnology</i> , <b>2014</b> , 25, 045703	3.4	49
259	Synthesis of boron and phosphorus codoped all-inorganic colloidal silicon nanocrystals from hydrogen silsesquioxane. <i>Nanoscale</i> , <b>2014</b> , 6, 12354-9	7.7	27
258	Fabrication of a core-shell-shell particle with a quarter-wave thick shell and its optical properties. <i>RSC Advances</i> , <b>2014</b> , 4, 32293-32297	3.7	5
257	The single-band red upconversion luminescence from morphology and size controllable Er <sup>3+</sup> /Yb <sup>3+</sup> doped MnF <sub>2</sub> nanostructures. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 1736	7.1	45
256	Graphene-assisted controlled growth of highly aligned ZnO nanorods and nanoribbons: growth mechanism and photoluminescence properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 377-87	9.5	61
255	Europium doping induced symmetry deviation and its impact on the second harmonic generation of doped ZnO nanowires. <i>Nanotechnology</i> , <b>2014</b> , 25, 225202	3.4	28
254	Oxygen vacancy-mediated enhanced ferromagnetism in undoped and Fe-doped TiO <sub>2</sub> nanoribbons. <i>Journal Physics D: Applied Physics</i> , <b>2014</b> , 47, 235304	3	91
253	Colloidal hydrophilic silicon germanium alloy nanocrystals with a high boron and phosphorus concentration shell. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 5644-5650	7.1	7
252	Strain dependence of the nonlinear optical properties of strained Si nanoparticles. <i>Optics Letters</i> , <b>2014</b> , 39, 3833-6	3	9
251	Microscopic origin of lattice contraction and expansion in undoped rutile TiO <sub>2</sub> nanostructures. <i>Journal Physics D: Applied Physics</i> , <b>2014</b> , 47, 215302	3	90
250	Reply to Comment on Europium doping induced symmetry deviation and its impact on the second harmonic generation of doped ZnO nanowires. <i>Nanotechnology</i> , <b>2014</b> , 25, 458002	3.4	0
249	Synthesis of Er <sup>3+</sup> /Yb <sup>3+</sup> codoped NaMnF <sub>3</sub> nanocubes with single-band red upconversion luminescence. <i>RSC Advances</i> , <b>2014</b> , 4, 61891-61897	3.7	17
248	Reversible emission evolution from Ag activated zeolite Na-A upon dehydration/hydration. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 211903	3.4	17
247	Silicon nanocrystals with high boron and phosphorus concentration hydrophilic shell. Raman scattering and X-ray photoelectron spectroscopic studies. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 084301	2.5	44
246	Near infrared emission from molecule-like silver clusters confined in zeolite A assisted by thermal activation. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 013509	2.5	11
245	Ag and Dy doped zeolite as a broadband phosphor. <i>Optical Materials</i> , <b>2014</b> , 38, 75-79	3.3	6
244	Enhanced near infrared emission from the partially vitrified Nd <sup>3+</sup> and silver co-doped zeolite Y. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 033507	2.5	12
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239	Photosensitization of europium ions by silver clusters in zeolite. <i>Optical Materials</i> , <b>2014</b> , 36, 916-920	3.3	10
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236	Near infrared photoluminescence from bismuth-doped nanoporous silica thin films. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 033524	2.5	5
235	Enhancement of upconversion luminescence of Er and Yb co-doped Y <sub>2</sub> O <sub>3</sub> nanoparticle by Ag half-shell. <i>Optical Materials</i> , <b>2013</b> , 35, 2394-2399	3.3	15
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232	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> , <b>2013</b> , 4, 402-8	6.4	74
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223	Second harmonic generation from Ge doped SiO <sub>2</sub> (Ge <sub>x</sub> (SiO <sub>2</sub> ) <sub>1-x</sub> ) thin films grown by sputtering. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 201117	3-4	8
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219	Photoluminescence from single silicon quantum dots excited via surface plasmon polaritons. <i>Journal of Luminescence</i> , <b>2012</b> , 132, 1157-1159	3.8	8
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