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List of Publications by Year in Descending Order

233 papers	8,947 citations	47 h-index	86 g-index
290 ext. papers	11,512 ext. citations	9.7 avg, IF	6.71 L-index

#	Paper	IF	Citations
233	Room-temperature optically detected magnetic resonance of single defects in hexagonal boron nitride.. *Nature Communications*, **2022**, 13, 618	17.4	11
232	The potential and global outlook of integrated photonics for quantum technologies. *Nature Reviews Physics*, **2022**, 4, 194-208	23.6	20
231	Hybrid device of hexagonal boron nitride nanoflakes with defect centres and a nano-fibre Bragg cavity.. *Scientific Reports*, **2022**, 12, 96	4.9	1
230	Integrated room temperature single-photon source for quantum key distribution.. *Optics Letters*, **2022**, 47, 1673-1676	3	1
229	Purcell Enhancement of a Cavity-Coupled Emitter in Hexagonal Boron Nitride. *Small*, **2021**, e2104805	11	3
228	Generation of High-Density Quantum Emitters in High-Quality, Exfoliated Hexagonal Boron Nitride. *ACS Applied Materials & Interfaces*, **2021**, 13, 47283-47292	9.5	2
227	Coupling Spin Defects in a Layered Material to Nanoscale Plasmonic Cavities. *Advanced Materials*, **2021**, e2106046	24	5
226	Enhanced Emission from Interlayer Excitons Coupled to Plasmonic Gap Cavities. *Small*, **2021**, 17, e2103994	11	3
225	Quantum random number generation using a hexagonal boron nitride single photon emitter. *Journal of Optics (United Kingdom)*, **2021**, 23, 01LT01	1.7	7
224	Room temperature coherent control of spin defects in hexagonal boron nitride. *Science Advances*, **2021**, 7,	14.3	25
223	Femtosecond Laser Writing of Spin Defects in Hexagonal Boron Nitride. *ACS Photonics*, **2021**, 8, 994-1000	6.3	20
222	Scalable and Deterministic Fabrication of Quantum Emitter Arrays from Hexagonal Boron Nitride. *Nano Letters*, **2021**, 21, 3626-3632	11.5	11
221	Near-Field Excited Archimedean-like Tiling Patterns in Phonon-Polaritonic Crystals. *ACS Nano*, **2021**, 15, 9134-9142	16.7	8
220	Bottom-Up Synthesis of Single Crystal Diamond Pyramids Containing Germanium Vacancy Centers. *Advanced Quantum Technologies*, **2021**, 4, 2100037	4.3	
219	Tunable Fiber-Cavity Enhanced Photon Emission from Defect Centers in hBN. *Advanced Optical Materials*, **2021**, 9, 2002218	8.1	6
218	Direct Growth of Hexagonal Boron Nitride on Photonic Chips for High-Throughput Characterization. *ACS Photonics*, **2021**, 8, 2033-2040	6.3	5
217	Fabrication of Photonic Resonators in Bulk 4H-SiC. *Advanced Materials Technologies*, **2021**, 6, 2100589	6.8	1

216	Spin defects in hBN as promising temperature, pressure and magnetic field quantum sensors. *Nature Communications*, **2021**, 12, 4480	17.4	9
215	Coupling Spin Defects in Hexagonal Boron Nitride to Monolithic Bullseye Cavities. *Nano Letters*, **2021**, 21, 6549-6555	11.5	7
214	Diamond membranes for photonic devices. *Semiconductors and Semimetals*, **2021**, 104, 173-217	0.6	0
213	Grain Dependent Growth of Bright Quantum Emitters in Hexagonal Boron Nitride. *Advanced Optical Materials*, **2021**, 9, 2001271	8.1	3
212	Identifying carbon as the source of visible single-photon emission from hexagonal boron nitride. *Nature Materials*, **2021**, 20, 321-328	27	78
211	Engineering of Room Temperature Spin Defects in Hexagonal Boron Nitride **2021**,		1
210	Site control of quantum emitters in gallium nitride by polarity. *Applied Physics Letters*, **2021**, 118, 021103	3.4	4
209	Large few-layer hexagonal boron nitride flakes for nonlinear optics. *Optics Letters*, **2021**, 46, 564-567	3	4
208	Recoil implantation using gas-phase precursor molecules. *Nanoscale*, **2021**, 13, 9322-9327	7.7	
207	Quantum Energy and Charge Transfer at Two-Dimensional Interfaces. *Nano Letters*, **2021**, 21, 1193-1204	11.5	12
206	Two-Dimensional Hexagonal Boron Nitride for Building Next-Generation Energy-Efficient Devices. *ACS Energy Letters*, **2021**, 6, 985-996	20.1	12
205	Optical Third-Harmonic Generation in Hexagonal Boron Nitride Thin Films. *ACS Photonics*, **2021**, 8, 824-831	6.3	10
204	Bottom-Up Synthesis of Hexagonal Boron Nitride Nanoparticles with Intensity-Stabilized Quantum Emitters. *Small*, **2021**, 17, e2008062	11	3
203	Phonon dephasing and spectral diffusion of quantum emitters in hexagonal boron nitride. *Optica*, **2021**, 8, 1153	8.6	1
202	Nanofabrication of high , transferable diamond resonators. *Nanoscale*, **2021**, 13, 8848-8854	7.7	2
201	Valley Polarization: A Single Chiral Nanoparticle Induced Valley Polarization Enhancement (Small 37/2020). *Small*, **2020**, 16, 2070204	11	
200	Optical Nanoscale Thermometry: From Fundamental Mechanisms to Emerging Practical Applications. *Advanced Optical Materials*, **2020**, 8, 2000183	8.1	34
199	Low-Temperature Electron–Phonon Interaction of Quantum Emitters in Hexagonal Boron Nitride. *ACS Photonics*, **2020**, 7, 1410-1417	6.3	13

198	Optical Thermometry with Quantum Emitters in Hexagonal Boron Nitride. *ACS Applied Materials & Interfaces*, **2020**, 12, 25464-25470	9.5	8
197	Coupling Hexagonal Boron Nitride Quantum Emitters to Photonic Crystal Cavities. *ACS Nano*, **2020**, 14, 7085-7091	16.7	27
196	Controlled Doping of GeV and SnV Color Centers in Diamond Using Chemical Vapor Deposition. *ACS Applied Materials & Interfaces*, **2020**, 12, 29700-29705	9.5	1
195	Role of knock-on in electron beam induced etching of diamond. *Carbon*, **2020**, 164, 51-58	10.4	2
194	Second harmonic generation in defective hexagonal boron nitride. *Journal of Physics Condensed Matter*, **2020**, 32, 19LT01	1.8	12
193	How to organize an online conference. *Nature Reviews Materials*, **2020**, 1-4	73.3	25
192	Electrical excitation and charge-state conversion of silicon vacancy color centers in single-crystal diamond membranes. *Applied Physics Letters*, **2020**, 116, 101103	3.4	8
191	Charge and energy transfer of quantum emitters in 2D heterostructures. *2D Materials*, **2020**, 7, 031001	5.9	3
190	Resonant energy transfer between hexagonal boron nitride quantum emitters and atomically layered transition metal dichalcogenides. *2D Materials*, **2020**, 7, 045015	5.9	2
189	Generation of Spin Defects in Hexagonal Boron Nitride. *ACS Photonics*, **2020**, 7, 2147-2152	6.3	28
188	Highly uniform InGaAs/InP quantum well nanowire array-based light emitting diodes. *Nano Energy*, **2020**, 71, 104576	17.1	10
187	Photonic Nanobeam Cavities with Nanopockets for Efficient Integration of Fluorescent Nanoparticles. *Nano Letters*, **2020**, 20, 2784-2790	11.5	10
186	Solid-state single photon source with Fourier transform limited lines at room temperature. *Physical Review B*, **2020**, 101,	3.3	24
185	Photonic devices fabricated from (111)-oriented single crystal diamond. *Informa□□Materi□y*, **2020**, 2, 1241-1246	23.1	3
184	Revealing multiple classes of stable quantum emitters in hexagonal boron nitride with correlated optical and electron microscopy. *Nature Materials*, **2020**, 19, 534-539	27	68
183	Initialization and read-out of intrinsic spin defects in a van der Waals crystal at room temperature. *Nature Materials*, **2020**, 19, 540-545	27	113
182	Plastic Deformation of Single-Crystal Diamond Nanopillars. *Advanced Materials*, **2020**, 32, e1906458	24	21
181	Strain-Induced Modification of the Optical Characteristics of Quantum Emitters in Hexagonal Boron Nitride. *Advanced Materials*, **2020**, 32, e1908316	24	35

180	Quantum Emitters in Two-dimensional Hexagonal Boron Nitride **2020**,		1
179	Simultaneously enhanced linear and nonlinear photon generations from WS2 by using dielectric circular Bragg resonators. *Nanophotonics*, **2020**, 9, 2587-2592	6.3	3
178	Quantification of single-strand DNA by sequence-specific counting in capillary flow cytometry. *Metrologia*, **2020**, 57, 065019	2.1	0
177	Materials and Devices for Quantum Photonics: introduction to special issue. *Optical Materials Express*, **2020**, 10, 715	2.6	
176	Near-Field Energy Transfer between a Luminescent 2D Material and Color Centers in Diamond. *Advanced Quantum Technologies*, **2020**, 3, 1900088	4.3	7
175	Photoluminescence, photophysics, and photochemistry of the VB□defect in hexagonal boron nitride. *Physical Review B*, **2020**, 102,	3.3	21
174	Optical Repumping of Resonantly Excited Quantum Emitters in Hexagonal Boron Nitride. *Physical Review Applied*, **2020**, 14,	4.3	4
173	Observation of Binary Spectral Jumps in Color Centers in Diamond. *Advanced Optical Materials*, **2020**, 8, 2000495	8.1	1
172	Coherent Manipulation with Resonant Excitation and Single Emitter Creation of Nitrogen Vacancy Centers in 4H Silicon Carbide. *Nano Letters*, **2020**, 20, 6142-6147	11.5	21
171	Determination of the Dipole Orientation of Single Defects in Hexagonal Boron Nitride. *ACS Photonics*, **2020**, 7, 2056-2063	6.3	8
170	Surface defect-abundant one-dimensional graphitic carbon nitride nanorods boost photocatalytic nitrogen fixation. *New Journal of Chemistry*, **2020**, 44, 20651-20658	3.6	26
169	A Single Chiral Nanoparticle Induced Valley Polarization Enhancement. *Small*, **2020**, 16, e2003005	11	9
168	Versatile direct-writing of dopants in a solid state host through recoil implantation. *Nature Communications*, **2020**, 11, 5039	17.4	8
167	[U(HO)]{[(UO)O(OH)][(UO)(HO)]}: A Mixed-Valence Uranium Oxide Hydrate Framework. *Inorganic Chemistry*, **2020**, 59, 12166-12175	5.1	4
166	Integrated on Chip Platform with Quantum Emitters in Layered Materials. *Advanced Optical Materials*, **2019**, 7, 1901132	8.1	27
165	Suppression of spectral diffusion by anti-Stokes excitation of quantum emitters in hexagonal boron nitride. *Applied Physics Letters*, **2019**, 115, 071102	3.4	10
164	Effects of microstructure and growth conditions on quantum emitters in gallium nitride. *APL Materials*, **2019**, 7, 081106	5.7	10
163	Atomically Thin Boron Nitride as an Ideal Spacer for Metal-Enhanced Fluorescence. *ACS Nano*, **2019**, 13, 12184-12191	16.7	14

162	Hexagonal Boron Nitride Cavity Optomechanics. *Nano Letters*, **2019**, 19, 1343-1350	11.5	18
161	Engineering and Tuning of Quantum Emitters in Few-Layer Hexagonal Boron Nitride. *ACS Nano*, **2019**, 13, 3132-3140	16.7	65
160	Selective Defect Formation in Hexagonal Boron Nitride. *Advanced Optical Materials*, **2019**, 7, 1900397	8.1	23
159	Clearly identical photons. *Nature Nanotechnology*, **2019**, 14, 502-503	28.7	0
158	Diamond photonics platform based on silicon vacancy centers in a single-crystal diamond membrane and a fiber cavity. *Physical Review B*, **2019**, 99,	3.3	24
157	Acoustically modulated optical emission of hexagonal boron nitride layers. *Applied Physics Letters*, **2019**, 114, 171104	3.4	13
156	Anti-Stokes excitation of solid-state quantum emitters for nanoscale thermometry. *Science Advances*, **2019**, 5, eaav9180	14.3	30
155	Very Large and Reversible Stark-Shift Tuning of Single Emitters in Layered Hexagonal Boron Nitride. *Physical Review Applied*, **2019**, 11,	4.3	30
154	Single Photon Sources in Atomically Thin Materials. *Annual Review of Physical Chemistry*, **2019**, 70, 123-142	15.7	82
153	Photonics with hexagonal boron nitride. *Nature Reviews Materials*, **2019**, 4, 552-567	73.3	253
152	Optical Gating of Resonance Fluorescence from a Single Germanium Vacancy Color Center in Diamond. *Physical Review Letters*, **2019**, 123, 033602	7.4	20
151	Facile Production of Hexagonal Boron Nitride Nanoparticles by Cryogenic Exfoliation. *Nano Letters*, **2019**, 19, 5417-5422	11.5	12
150	Purification of single-photon emission from hBN using post-processing treatments. *Nanophotonics*, **2019**, 8, 2049-2055	6.3	22
149	Photodynamics and quantum efficiency of germanium vacancy color centers in diamond. *Advanced Photonics*, **2019**, 1, 1	8.1	8
148	Anti-Stokes Excitation of Solid-State Quantum Emitters for Nanoscale Thermometry **2019**,		1
147	Quantum emission from localized defects in zinc sulfide. *Optics Letters*, **2019**, 44, 4873-4876	3	9
146	Second-harmonic generation in multilayer hexagonal boron nitride flakes. *Optics Letters*, **2019**, 44, 5792-5795	3	19
145	Bottom up engineering of single crystal diamond membranes with germanium vacancy color centers. *Optical Materials Express*, **2019**, 9, 4708	2.6	8

144	Direct measurement of quantum efficiency of single-photon emitters in hexagonal boron nitride. *Optica*, **2019**, 6, 1084	8.6	28
143	Quantum nanophotonics with group IV defects in diamond. *Nature Communications*, **2019**, 10, 5625	17.4	122
142	Photonic Nanostructures from Hexagonal Boron Nitride. *Advanced Optical Materials*, **2019**, 7, 1801344	8.1	17
141	One-Step Nanoscale Patterning of Silver Nanowire–Nitride Heterostructures Using Substrate-Assisted Chemical Etching. *Journal of Physical Chemistry C*, **2019**, 123, 945-949	3.8	3
140	A Random Laser Based on Hybrid Fluorescent Dye and Diamond Nanoneedles. *Physica Status Solidi - Rapid Research Letters*, **2019**, 13, 1800513	2.5	0
139	All-optical control and super-resolution imaging of quantum emitters in layered materials. *Nature Communications*, **2018**, 9, 874	17.4	39
138	Versatile multicolor nanodiamond probes for intracellular imaging and targeted labeling. *Journal of Materials Chemistry B*, **2018**, 6, 3078-3084	7.3	11
137	Photophysics of GaN single-photon emitters in the visible spectral range. *Physical Review B*, **2018**, 97,	3.3	22
136	Single crystal diamond membranes for nanoelectronics. *Nanoscale*, **2018**, 10, 4028-4035	7.7	22
135	Deterministic Nanopatterning of Diamond Using Electron Beams. *ACS Nano*, **2018**, 12, 2873-2882	16.7	12
134	Optical properties of implanted Xe color centers in diamond. *Optics Communications*, **2018**, 411, 182-186	2	10
133	Room temperature solid-state quantum emitters in the telecom range. *Science Advances*, **2018**, 4, eaar3580	13	63
132	Single photon emission from plasma treated 2D hexagonal boron nitride. *Nanoscale*, **2018**, 10, 7957-7965	7.7	64
131	Resonant excitation of quantum emitters in gallium nitride. *Optica*, **2018**, 5, 932	8.6	
130	In situ study of the precursor conversion reactions during solventless synthesis of CoS, NiS, Co and Ni nanowires. *Nanoscale*, **2018**, 10, 15669-15676	7.7	5
129	Internal Nanostructure Diagnosis with Hyperbolic Phonon Polaritons in Hexagonal Boron Nitride. *Nano Letters*, **2018**, 18, 5205-5210	11.5	21
128	Multi-photon near-infrared emission saturation nanoscopy using upconversion nanoparticles. *Nature Communications*, **2018**, 9, 3290	17.4	92
127	Effects of plasma-treatment on the electrical and optoelectronic properties of layered black phosphorus. *Applied Materials Today*, **2018**, 12, 244-249	6.6	30

126	Effects of High-Energy Electron Irradiation on Quantum Emitters in Hexagonal Boron Nitride. *ACS Applied Materials & Interfaces*, **2018**, 10, 24886-24891	9.5	38
125	Nanoassembly of quantum emitters in hexagonal boron nitride and gold nanospheres. *Nanoscale*, **2018**, 10, 2267-2274	7.7	38
124	Resonant Excitation of Quantum Emitters in Hexagonal Boron Nitride. *ACS Photonics*, **2018**, 5, 295-300	6.3	42
123	Single Crystal Diamond Membranes and Photonic Resonators Containing Germanium Vacancy Color Centers. *ACS Photonics*, **2018**, 5, 4817-4822	6.3	28
122	Direct writing of single germanium vacancy center arrays in diamond. *New Journal of Physics*, **2018**, 20, 125004	2.9	17
121	Electron paramagnetic resonance signature of point defects in neutron-irradiated hexagonal boron nitride. *Physical Review B*, **2018**, 98,	3.3	28
120	Enhanced Emission from WSe2 Monolayers Coupled to Circular Bragg Gratings. *ACS Photonics*, **2018** , 5, 3950-3955	6.3	17
119	Design of photonic microcavities in hexagonal boron nitride. *Beilstein Journal of Nanotechnology*, **2018**, 9, 102-108	3	6
118	Optical metasurfaces: new generation building blocks for multi-functional optics. *Light: Science and Applications*, **2018**, 7, 58	16.7	99
117	Observation of Fourier transform limited lines in hexagonal boron nitride. *Physical Review B*, **2018**, 98,	3.3	43
116	Uranyl oxide hydrate phases with heavy lanthanide ions: [Ln(UO2)2O3(OH)]□0.5H2O (Ln = Tb, Dy, Ho and Yb). *New Journal of Chemistry*, **2018**, 42, 12386-12393	3.6	11
115	Photonic crystal cavities from hexagonal boron nitride. *Nature Communications*, **2018**, 9, 2623	17.4	89
114	Encapsulation-Free Stabilization of Few-Layer Black Phosphorus. *ACS Applied Materials & Interfaces*, **2018**, 10, 24327-24331	9.5	13
113	Robust Solid-State Quantum System Operating at 800 K. *ACS Photonics*, **2017**, 4, 768-773	6.3	68
112	Room-Temperature Single-Photon Emission from Oxidized Tungsten Disulfide Multilayers. *Advanced Optical Materials*, **2017**, 5, 1600939	8.1	24
111	Bright Room-Temperature Single-Photon Emission from Defects in Gallium Nitride. *Advanced Materials*, **2017**, 29, 1605092	24	66
110	Ambient Protection of Few-Layer Black Phosphorus via Sequestration of Reactive Oxygen Species. *Advanced Materials*, **2017**, 29, 1700152	24	103
109	Fabrication of a single sub-micron pore spanning a single crystal (100) diamond membrane and impact on particle translocation. *Carbon*, **2017**, 122, 319-328	10.4	8

108	Coherent control of a strongly driven silicon vacancy optical transition in diamond. *Nature Communications*, **2017**, 8, 14451	17.4	40
107	Spectroscopy: Mapping spins in flatland. *Nature Materials*, **2017**, 16, 397-398	27	
106	Coupling Quantum Emitters in 2D Materials with Tapered Fibers. *ACS Photonics*, **2017**, 4, 761-767	6.3	62
105	Deterministic Coupling of Quantum Emitters in 2D Materials to Plasmonic Nanocavity Arrays. *Nano Letters*, **2017**, 17, 2634-2639	11.5	119
104	Tuning Enhancement Efficiency of Multiple Emissive Centers in Graphene Quantum Dots by Core-Shell Plasmonic Nanoparticles. *Journal of Physical Chemistry Letters*, **2017**, 8, 5673-5679	6.4	9
103	Tunable and high-purity room temperature single-photon emission from atomic defects in hexagonal boron nitride. *Nature Communications*, **2017**, 8, 705	17.4	226
102	Quantum emitters in two dimensions. *Science*, **2017**, 358, 170-171	33.3	31
101	Quantum emission from atomic defects in wide-bandgap semiconductors **2017**,		1
100	Radiation-Induced Damage and Recovery of Ultra-Nanocrystalline Diamond: Toward Applications in Harsh Environments. *ACS Applied Materials & Interfaces*, **2017**, 9, 39790-39794	9.5	2
99	Photodynamics of quantum emitters in hexagonal boron nitride revealed by low-temperature spectroscopy. *Physical Review B*, **2017**, 96,	3.3	47
98	Black Phosphorus: Ambient Protection of Few-Layer Black Phosphorus via Sequestration of Reactive Oxygen Species (Adv. Mater. 27/2017). *Advanced Materials*, **2017**, 29,	24	1
97	Two-photon excitation triggers combined chemo-photothermal therapy via doped carbon nanohybrid dots for effective breast cancer treatment. *Chemical Engineering Journal*, **2017**, 330, 651-662	14.7	50
96	First-principles investigation of quantum emission from hBN defects. *Nanoscale*, **2017**, 9, 13575-13582	7.7	122
95	Nanodiamonds with photostable, sub-gigahertz linewidth quantum emitters. *APL Photonics*, **2017**, 2, 116103	5.2	16
94	Photoinduced blinking in a solid-state quantum system. *Physical Review B*, **2017**, 96,	3.3	8
93	Formation of Dynamic Topographic Patterns During Electron Beam Induced Etching of Diamond. *Microscopy and Microanalysis*, **2017**, 23, 2264-2265	0.5	1
92	Hydrothermal synthesis, structures and properties of two uranyl oxide hydroxyl hydrate phases with Co(II) or Ni(II) ions. *New Journal of Chemistry*, **2016**, 40, 5357-5363	3.6	14
91	Nonblinking Emitters with Nearly Lifetime-Limited Linewidths in CVD Nanodiamonds. *Physical Review Applied*, **2016**, 6,	4.3	33

90	Quantum Emission from Defects in Single-Crystalline Hexagonal Boron Nitride. *Physical Review Applied*, **2016**, 5,	4.3	95
89	Robust Multicolor Single Photon Emission from Point Defects in Hexagonal Boron Nitride. *ACS Nano*, **2016**, 10, 7331-8	16.7	285
88	Engineering and Localization of Quantum Emitters in Large Hexagonal Boron Nitride Layers. *ACS Applied Materials & Interfaces*, **2016**, 8, 29642-29648	9.5	96
87	Localization of Narrowband Single Photon Emitters in Nanodiamonds. *ACS Applied Materials & Interfaces*, **2016**, 8, 7590-4	9.5	10
86	Versatile method for template-free synthesis of single crystalline metal and metal alloy nanowires. *Nanoscale*, **2016**, 8, 2804-10	7.7	15
85	Solvothermal synthesis of uranium(VI) phases with aromatic carboxylate ligands: A dinuclear complex with 4-hydroxybenzoic acid and a 3D framework with terephthalic acid. *Journal of Solid State Chemistry*, **2016**, 234, 22-28	3.3	21
84	Light-induced reflectivity transients in black-Si nanoneedles. *Solar Energy Materials and Solar Cells*, **2016**, 144, 221-227	6.4	12
83	Quantum emission from hexagonal boron nitride monolayers. *Nature Nanotechnology*, **2016**, 11, 37-41	28.7	675
82	Micro-Patterned Surfaces That Exploit Stigmergy to Inhibit Biofilm Expansion. *Frontiers in Microbiology*, **2016**, 7, 2157	5.7	5
81	Quantum Emission from Hexagonal Boron Nitride Monolayers **2016**,		1
80	Ultra-bright emission from hexagonal boron nitride defects as a new platform for bio-imaging and bio-labelling **2016**,		1
79	Non-linear excitation of quantum emitters in hexagonal boron nitride multiplayers. *APL Photonics*, **2016**, 1, 091302	5.2	28
78	Photoluminescence of nanodiamonds influenced by charge transfer from silicon and metal substrates. *Diamond and Related Materials*, **2016**, 63, 91-96	3.5	6
77	Electron beam directed etching of hexagonal boron nitride. *Nanoscale*, **2016**, 8, 16182-6	7.7	31
76	Solid-state single-photon emitters. *Nature Photonics*, **2016**, 10, 631-641	33.9	804
75	Robust, directed assembly of fluorescent nanodiamonds. *Nanoscale*, **2016**, 8, 18032-18037	7.7	17
74	Bright and photostable single-photon emitter in silicon carbide. *Optica*, **2016**, 3, 768	8.6	53
73	Uranium(VI) hybrid materials with [(UO2)3(μ3-O)(μ2-OH)3]+ as the sub‐building unit via uranyl‐ation interactions. *ChemistrySelect*, **2016**, 1, 7-12	1.8	16

72	Maskless milling of diamond by a focused oxygen ion beam. *Scientific Reports*, **2015**, 5, 8958	4.9	20
71	Electroluminescence from localized defects in zinc oxide: toward electrically driven single photon sources at room temperature. *ACS Applied Materials & Interfaces*, **2015**, 7, 5619-23	9.5	34
70	Uranium(VI) complexes with isonicotinic acid: from monomer to 2D polymer with unique U–N bonding. *RSC Advances*, **2015**, 5, 33249-33253	3.7	32
69	Plasmonic Metamaterial Sensor with Ultra-High Sensitivity in the Visible Spectral Range. *Advanced Optical Materials*, **2015**, 3, 750-755	8.1	20
68	Electrical excitation of silicon-vacancy centers in single crystal diamond. *Applied Physics Letters*, **2015**, 106, 171102	3.4	27
67	Facile Self-Assembly of Quantum Plasmonic Circuit Components. *Advanced Materials*, **2015**, 27, 4048-53	24	6
66	Sensors: Plasmonic Metamaterial Sensor with Ultra-High Sensitivity in the Visible Spectral Range (Advanced Optical Materials 6/2015). *Advanced Optical Materials*, **2015**, 3, 716-716	8.1	1
65	Dynamic Pattern Formation in Electron-Beam-Induced Etching. *Physical Review Letters*, **2015**, 115, 255501	7.4	18
64	Photophysics of Point Defects in ZnO Nanoparticles. *Advanced Optical Materials*, **2015**, 3, 821-827	8.1	42
63	Photoluminescence from voids created by femtosecond-laser pulses inside cubic-BN. *Optics Letters*, **2015**, 40, 5711-3	3	23
62	Zinc Oxide Nanophotonics. *Nanophotonics*, **2015**, 4, 437-458	6.3	15
61	Enhanced photoluminescence from single nitrogen-vacancy defects in nanodiamonds coated with phenol-ionic complexes. *Nanoscale*, **2015**, 7, 4869-74	7.7	23
60	Subtractive 3D printing of optically active diamond structures. *Scientific Reports*, **2014**, 4, 5022	4.9	28
59	Silicon-vacancy color centers in nanodiamonds: cathodoluminescence imaging markers in the near infrared. *Small*, **2014**, 10, 1908-13	11	34
58	Localized chemical switching of the charge state of nitrogen-vacancy luminescence centers in diamond. *Applied Physics Letters*, **2014**, 105, 063103	3.4	29
57	Electron beam controlled restructuring of luminescence centers in polycrystalline diamond. *ACS Applied Materials & Interfaces*, **2014**, 6, 10367-72	9.5	8
56	Room temperature quantum emission from cubic silicon carbide nanoparticles. *ACS Nano*, **2014**, 8, 7938-47	13.7	77
55	Single photon emission from ZnO nanoparticles. *Applied Physics Letters*, **2014**, 104, 261101	3.4	34

54	Distinctive signature of indium gallium nitride quantum dot lasing in microdisk cavities. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 14042-6	11.5	32
53	Quantum-confined single photon emission at room temperature from SiC tetrapods. *Nanoscale*, **2014**, 6, 10027-32	7.7	17
52	Diamond Nanophotonics. *Advanced Optical Materials*, **2014**, 2, 911-928	8.1	203
51	Gas-Mediated Electron Beam Induced Etching - From Fundamental Physics to Device Fabrication. *Microscopy and Microanalysis*, **2014**, 20, 364-365	0.5	0
50	Role of recombination pathway competition in spatially resolved cathodoluminescence spectroscopy. *Applied Physics Letters*, **2014**, 105, 241112	3.4	2
49	Single Color Centers in Diamond: Materials, Devices, and Applications **2014**, 469-491		
48	Gas-mediated charged particle beam processing of nanostructured materials **2014**,		1
47	Study of narrowband single photon emitters in polycrystalline diamond films. *Applied Physics Letters*, **2014**, 105, 181104	3.4	10
46	High quality SiC microdisk resonators fabricated from monolithic epilayer wafers. *Applied Physics Letters*, **2014**, 104, 051109	3.4	41
45	Diamond nanocrystals for photonics and sensing. *Japanese Journal of Applied Physics*, **2014**, 53, 05FA01	1.4	4
44	Deterministic coupling of delta-doped nitrogen vacancy centers to a nanobeam photonic crystal cavity. *Applied Physics Letters*, **2014**, 105, 261101	3.4	60
43	Synthesis of luminescent europium defects in diamond. *Nature Communications*, **2014**, 5, 3523	17.4	50
42	Observation of whispering gallery modes from hexagonal ZnO microdisks using cathodoluminescence spectroscopy. *Applied Physics Letters*, **2013**, 103, 171102	3.4	17
41	On-chip manipulation of single photons from a diamond defect. *Physical Review Letters*, **2013**, 111, 213603	7.4	26
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