

Jianhua Hao

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5356616/jianhua-hao-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

323
papers

16,090
citations

70
h-index

115
g-index

335
ext. papers

18,480
ext. citations

8.8
avg, IF

7.13
L-index

#	Paper	IF	Citations
323	Magnetic-Responsive Surface-Enhanced Raman Scattering Platform with Tunable Hot Spot for Ultrasensitive Virus Nucleic Acid Detection.. <i>ACS Applied Materials & Interfaces</i> , 2022 , 14, 4714-4724	9.5	12
322	Ionic Hydrogel for Efficient and Scalable Moisture-Electric Generation.. <i>Advanced Materials</i> , 2022 , e2200693	9.3	9
321	Nonvolatile modulation of luminescence in perovskite oxide thin films by ferroelectric gating.. <i>Optics Letters</i> , 2022 , 47, 1578-1581	3	
320	Manipulating Crystallization Kinetics in High-Performance Blade-Coated Perovskite Solar Cells via Cosolvent-Assisted Phase Transition.. <i>Advanced Materials</i> , 2022 , e2200276	24	11
319	Highly integrated, scalable manufacturing and stretchable conductive core/shell fibers for strain sensing and self-powered smart textiles. <i>Nano Energy</i> , 2022 , 98, 107240	17.1	5
318	An AIEgen/graphene oxide nanocomposite (AIEgen@GO)-based two-stage "turn-on" nucleic acid biosensor for rapid detection of SARS-CoV-2 viral sequence.. <i>Aggregate</i> , 2022 , e195	22.9	0
317	Strong piezoelectric response in layered CuInP2S6 nanosheets for piezoelectric nanogenerators. <i>Nano Energy</i> , 2022 , 107371	17.1	2
316	One-Step, DNA-Programmed, and Flash Synthesis of Anisotropic Noble Metal Nanostructures on MXene. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	6
315	Facile Atomic-Level Tuning of Reactive Metal-Support Interactions in the Pt QDs@ HF-Free MXene Heterostructure for Accelerating pH-Universal Hydrogen Evolution Reaction. <i>Advanced Science</i> , 2021 , 8, e2102207	13.6	9
314	Recent progress on lanthanide scintillators for soft X-ray-triggered bioimaging and deep-tissue theranostics. <i>View</i> , 2021 , 2, 20200122	7.8	2
313	Environment-resisted flexible high performance triboelectric nanogenerators based on ultrafast self-healing non-drying conductive organohydrogel. <i>Nano Energy</i> , 2021 , 82, 105724	17.1	38
312	Low Dose Soft X-Ray Remotely Triggered Lanthanide Nanovaccine for Deep Tissue CO Gas Release and Activation of Systemic Anti-Tumor Immunoresponse. <i>Advanced Science</i> , 2021 , 8, e2004391	13.6	7
311	Large-scale growth of few-layer two-dimensional black phosphorus. <i>Nature Materials</i> , 2021 , 20, 1203-1209	20.9	43
310	Piezophotonics: Multiresponsive Emissions in Luminescent Ions Doped Quaternary Piezophotonic Materials for Mechanical-to-Optical Energy Conversion and Sensing Applications (Adv. Funct. Mater. 22/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170160	15.6	3
309	Effective Piezo-Phototronic Enhancement of Flexible Photodetectors Based on 2D Hybrid Perovskite Ferroelectric Single-Crystalline Thin-Films. <i>Advanced Materials</i> , 2021 , 33, e2101263	24	21
308	Multifunctional Crosslinking-Enabled Strain-Regulating Crystallization for Stable, Efficient FAPbI_3 -Based Perovskite Solar Cells. <i>Advanced Materials</i> , 2021 , 33, e2008487	24	34
307	Two-dimensional ferroelasticity in van der Waals In_2Se_3 . <i>Nature Communications</i> , 2021 , 12, 3665	17.4	14

306	4D-printed self-recovered triboelectric nanogenerator for energy harvesting and self-powered sensor. <i>Nano Energy</i> , 2021 , 84, 105873	17.1	20
305	Low-Temperature-Deposited TiO ₂ Nanopillars for Efficient and Flexible Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001512	4.6	6
304	Printing High-Efficiency Perovskite Solar Cells in High-Humidity Ambient Environment-An In Situ Guided Investigation. <i>Advanced Science</i> , 2021 , 8, 2003359	13.6	15
303	Bifunctional Device with High-Energy Storage Density and Ultralow Current Analog Resistive Switching. <i>Advanced Electronic Materials</i> , 2021 , 7, 2000902	6.4	2
302	A synaptic memristor based on two-dimensional layered WSe nanosheets with short- and long-term plasticity. <i>Nanoscale</i> , 2021 , 13, 6654-6660	7.7	23
301	Flexible Solar Cells: Low-Temperature-Deposited TiO ₂ Nanopillars for Efficient and Flexible Perovskite Solar Cells (Adv. Mater. Interfaces 3/2021). <i>Advanced Materials Interfaces</i> , 2021 , 8, 2170016	4.6	1
300	Multiresponsive Emissions in Luminescent Ions Doped Quaternary Piezophotonic Materials for Mechanical-to-Optical Energy Conversion and Sensing Applications. <i>Advanced Functional Materials</i> , 2021 , 31, 2010265	15.6	17
299	Memristor Based on Inorganic and Organic Two-Dimensional Materials: Mechanisms, Performance, and Synaptic Applications. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32606-32623	9.5	20
298	Effective Piezo-Phototronic Enhancement of Flexible Photodetectors Based on 2D Hybrid Perovskite Ferroelectric Single-Crystalline Thin-Films (Adv. Mater. 32/2021). <i>Advanced Materials</i> , 2021 , 33, 2170252	24	
297	Lanthanide-Doped Topological Nanosheets with Enhanced Near-Infrared Photothermal Performance for Energy Conversion. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 43094-43103	9.5	6
296	Large-Area Tellurium/Germanium Heterojunction Grown by Molecular Beam Epitaxy for High-Performance Self-Powered Photodetector. <i>Advanced Optical Materials</i> , 2021 , 9, 2101052	8.1	4
295	Pathogenic Virus Detection by Optical Nanobiosensors. <i>Cell Reports Physical Science</i> , 2021 , 2, 100288	6.1	12
294	Fluoride-Free 2D Niobium Carbide MXenes as Stable and Biocompatible Nanoplatfoms for Electrochemical Biosensors with Ultrahigh Sensitivity. <i>Advanced Science</i> , 2020 , 7, 2001546	13.6	38
293	Reversible Transformation between Bipolar Memory Switching and Bidirectional Threshold Switching in 2D Layered K-Birnessite Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 24133-24140	9.5	16
292	Efficient Flexible Perovskite Solar Cells Using Low-Cost Cu Top and Bottom Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 26050-26059	9.5	20
291	Multifunctional Water Drop Energy Harvesting and Human Motion Sensor Based on Flexible Dual-Mode Nanogenerator Incorporated with Polymer Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 24030-24038	9.5	25
290	How Universal Is the Wetting Aging in 2D Materials. <i>Nano Letters</i> , 2020 , 20, 5670-5677	11.5	14
289	Synthesis, properties, and applications of 2D amorphous inorganic materials. <i>Journal of Applied Physics</i> , 2020 , 127, 220901	2.5	6

288	A General Wet Transferring Approach for Diffusion-Facilitated Space-Confined Grown Perovskite Single-Crystalline Optoelectronic Thin Films. <i>Nano Letters</i> , 2020 , 20, 2747-2755	11.5	12
287	Piezoelectric biaxial strain effects on the optical and photoluminescence spectra of 2D III V I compound Hn2Se3 nanosheets. <i>Applied Physics Letters</i> , 2020 , 116, 113101	3.4	8
286	Efficient Energy Conversion and Storage Based on Robust Fluoride-Free Self-Assembled 1D Niobium Carbide in 3D Nanowire Network. <i>Advanced Science</i> , 2020 , 7, 1903680	13.6	36
285	Reversible transition between bipolar resistive switching and threshold switching in 2D layered III V I semiconductor GaSe. <i>Applied Physics Letters</i> , 2020 , 116, 253102	3.4	8
284	Self-Healing, Flexible, and Tailorable Triboelectric Nanogenerators for Self-Powered Sensors based on Thermal Effect of Infrared Radiation. <i>Advanced Functional Materials</i> , 2020 , 30, 1910723	15.6	59
283	Ultrasonic-assisted ultrafast fabrication of polymer nanowires for high performance triboelectric nanogenerators. <i>Nano Energy</i> , 2020 , 71, 104593	17.1	18
282	Temperature- and thickness-dependence of robust out-of-plane ferroelectricity in CVD grown ultrathin van der Waals Hn2Se3 layers. <i>Nano Research</i> , 2020 , 13, 1897-1902	10	21
281	Electrical transport properties in group-V elemental ultrathin 2D layers. <i>Npj 2D Materials and Applications</i> , 2020 , 4,	8.8	18
280	2D transition metal dichalcogenides, carbides, nitrides, and their applications in supercapacitors and electrocatalytic hydrogen evolution reaction. <i>Applied Physics Reviews</i> , 2020 , 7, 021304	17.3	60
279	Lanthanide-Based Upconversion Nanoparticles for Bioimaging Applications 2020 , 129-153		1
278	Lanthanide near-infrared emission and energy transfer in layered WS2/MoS2 heterostructure. <i>Science China Materials</i> , 2020 , 63, 575-581	7.1	11
277	Low dose soft X-ray-controlled deep-tissue long-lasting NO release of persistent luminescence nanoplatfom for gas-sensitized anticancer therapy. <i>Biomaterials</i> , 2020 , 263, 120384	15.6	11
276	Zwitterionic-Surfactant-Assisted Room-Temperature Coating of Efficient Perovskite Solar Cells. <i>Joule</i> , 2020 , 4, 2404-2425	27.8	65
275	Recent advances in hybrid perovskite nanogenerators. <i>EcoMat</i> , 2020 , 2, e12057	9.4	8
274	Enhanced Piezoelectric Response of Layered In2Se3/MoS2 Nanosheet-Based van der Waals Heterostructures. <i>ACS Applied Nano Materials</i> , 2020 , 3, 11979-11986	5.6	13
273	Ultrabroadband Tuning and Fine Structure of Emission Spectra in Lanthanide Er-Doped ZnSe Nanosheets for Display and Temperature Sensing. <i>ACS Nano</i> , 2020 , 14, 16003-16012	16.7	22
272	Terahertz relaxation dynamics of a two-dimensional InSe multilayer. <i>Physical Review B</i> , 2020 , 102,	3.3	2
271	Upconversion Red Emission and Near-Infrared Quantum-Cutting Persistent Luminescence of Nd3+-Activated Ca2SnO4 Induced by Yb3+. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 19774-19780	3.8	4

270	A soft X-ray activated lanthanide scintillator for controllable NO release and gas-sensitized cancer therapy. <i>Nanoscale Horizons</i> , 2020 , 5, 268-273	10.8	9
269	Transition from nonvolatile bipolar memory switching to bidirectional threshold switching in layered MoO ₃ nanobelts. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 12160-12169	7.1	11
268	Efficient hole transfer from monolayer WS ₂ to ultrathin amorphous black phosphorus. <i>Nanoscale Horizons</i> , 2019 , 4, 236-242	10.8	19
267	Local Chemistry Engineering in Doped Photonic Glass for Optical Pulse Generation. <i>Advanced Optical Materials</i> , 2019 , 7, 1801413	8.1	11
266	Healable and shape-memory dual functional polymers for reliable and multipurpose mechanical energy harvesting devices. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16267-16276	13	30
265	Universal Strategy for HF-Free Facile and Rapid Synthesis of Two-dimensional MXenes as Multifunctional Energy Materials. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9610-9616	16.4	208
264	Recent Progress in 2D Layered III-VI Semiconductors and their Heterostructures for Optoelectronic Device Applications. <i>Advanced Materials Technologies</i> , 2019 , 4, 1900108	6.8	54
263	Room-temperature ferroelectricity in MoTe ₂ down to the atomic monolayer limit. <i>Nature Communications</i> , 2019 , 10, 1775	17.4	143
262	Optically Active Materials: Local Chemistry Engineering in Doped Photonic Glass for Optical Pulse Generation (Advanced Optical Materials 6/2019). <i>Advanced Optical Materials</i> , 2019 , 7, 1970022	8.1	
261	A General In Situ Growth Strategy of Designing Theranostic NaLnF ₄ @Cu ₂ S Nanoplatfor for In Vivo NIR-II Optical Imaging Beyond 1500 nm and Photothermal Therapy. <i>Advanced Therapeutics</i> , 2019 , 2, 1800153	4.9	18
260	Colossal Permittivity Materials as Superior Dielectrics for Diverse Applications. <i>Advanced Functional Materials</i> , 2019 , 29, 1808118	15.6	67
259	Centimeter-scale growth of two-dimensional layered high-mobility bismuth films by pulsed laser deposition. <i>Information Materials</i> , 2019 , 1, 98-107	23.1	56
258	Biaxial strain-induced strong enhancement of upconversion photoluminescence in lanthanide-doped ferroelectric thin films. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 234002	3	3
257	Electrochemically assisted flexible lanthanide upconversion luminescence sensing of heavy metal contamination with high sensitivity and selectivity. <i>Nanoscale Advances</i> , 2019 , 1, 265-272	5.1	12
256	Upconversion Luminescence Sandwich Assay For Detection of Influenza H7 Subtype. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900575	10.1	8
255	Endogenous HS-Triggered In Situ Synthesis of NIR-II-Emitting Nanoprobe for In Vivo Intelligently Lighting Up Colorectal Cancer. <i>IScience</i> , 2019 , 17, 217-224	6.1	23
254	Observation and theoretical analysis of near-infrared luminescence from CVD grown lanthanide Er doped monolayer MoS ₂ triangles. <i>Applied Physics Letters</i> , 2019 , 115, 153105	3.4	6
253	Microplasma-Discharge-Based Nitrogen Fixation Driven by Triboelectric Nanogenerator toward Self-Powered Mechano-Nitrogenous Fertilizer Supplier. <i>Advanced Functional Materials</i> , 2019 , 29, 1904090	15.6	17

252	Coordination Geometry Engineering in a Doped Disordered Matrix for Tunable Optical Response. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 29343-29352	3.8	8
251	Three-terminal memtransistors based on two-dimensional layered gallium selenide nanosheets for potential low-power electronics applications. <i>Nano Energy</i> , 2019 , 57, 566-573	17.1	65
250	Non-Invasive Optical Guided Tumor Metastasis/Vessel Imaging by Using Lanthanide Nanoprobe with Enhanced Down-Shifting Emission beyond 1500 nm. <i>ACS Nano</i> , 2019 , 13, 248-259	16.7	129
249	Strategies and progress on improving robustness and reliability of triboelectric nanogenerators. <i>Nano Energy</i> , 2019 , 55, 203-215	17.1	51
248	Theranostic Carbon Dots with Innovative NIR-II Emission for in Vivo Renal-Excreted Optical Imaging and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4737-4744	9.5	146
247	Layer-dependent photoresponse of 2D MoS ₂ films prepared by pulsed laser deposition. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2522-2529	7.1	32
246	Lanthanide Yb/Er co-doped semiconductor layered WSe nanosheets with near-infrared luminescence at telecommunication wavelengths. <i>Nanoscale</i> , 2018 , 10, 9261-9267	7.7	49
245	Non-invasive through-skull brain vascular imaging and small tumor diagnosis based on NIR-II emissive lanthanide nanoprobe beyond 1500 nm. <i>Biomaterials</i> , 2018 , 171, 153-163	15.6	81
244	Second near-infrared emissive lanthanide complex for fast renal-clearable in vivo optical bioimaging and tiny tumor detection. <i>Biomaterials</i> , 2018 , 169, 35-44	15.6	63
243	Stable and Efficient Organo-Metal Halide Hybrid Perovskite Solar Cells via π -Conjugated Lewis Base Polymer Induced Trap Passivation and Charge Extraction. <i>Advanced Materials</i> , 2018 , 30, e1706126	24	192
242	Controllable synthesis of lanthanide Yb and Er co-doped AWO (A = Ca, Sr, Ba) micro-structured materials: phase, morphology and up-conversion luminescence enhancement. <i>Dalton Transactions</i> , 2018 , 47, 8611-8618	4.3	24
241	Cutting-Edge Nanomaterials for Advanced Multimodal Bioimaging Applications. <i>Small Methods</i> , 2018 , 2, 1700265	12.8	21
240	808 nm excited energy migration upconversion nanoparticles driven by a Nd-Trinity system with color-tunability and superior luminescence properties. <i>Nanoscale</i> , 2018 , 10, 2790-2803	7.7	25
239	Disappearance and recovery of colossal permittivity in (Nb+Mn) co-doped TiO ₂ . <i>Ceramics International</i> , 2018 , 44, 12395-12400	5.1	20
238	Colossal permittivity in TiO ₂ co-doped by donor Nb and isovalent Zr. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 307-315	3.8	42
237	Upconversion Nanomaterials for Biodetection and Multimodal Bioimaging Using Photoluminescence 2018 , 249-275		
236	Transition Metal Doped Smart Glass with Pressure and Temperature Sensitive Luminescence. <i>Advanced Optical Materials</i> , 2018 , 6, 1800881	8.1	29
235	Ferroelectric and Piezoelectric Effects on the Optical Process in Advanced Materials and Devices. <i>Advanced Materials</i> , 2018 , 30, e1707007	24	107

234	Luminescence in 2D Materials and van der Waals Heterostructures. <i>Advanced Optical Materials</i> , 2018 , 6, 1701296	8.1	45
233	Enhanced dielectric properties of colossal permittivity co-doped TiO/polymer composite films.. <i>RSC Advances</i> , 2018 , 8, 32972-32978	3.7	13
232	Piezophotonics: From fundamentals and materials to applications. <i>MRS Bulletin</i> , 2018 , 43, 965-969	3.2	32
231	Scalable In-Fiber Manufacture of Functional Composite Particles. <i>ACS Nano</i> , 2018 , 12, 11130-11138	16.7	9
230	Enhanced output power of a freestanding ball-based triboelectric generator through the electrophorus effect. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18518-18524	13	2
229	Synergistic Effects of Electrical Stimulation and Aligned Nanofibrous Microenvironment on Growth Behavior of Mesenchymal Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 18543-18550	9.5	21
228	Influence of Plasmonic Effect on the Upconversion Emission Characteristics of NaYF Hexagonal Microrods. <i>Inorganic Chemistry</i> , 2018 , 57, 8200-8204	5.1	11
227	Strategy to Enhance the Luminescence of Lanthanide Ions Doped MgWO Nanosheets through Incorporation of Carbon Dots. <i>Inorganic Chemistry</i> , 2018 , 57, 8662-8672	5.1	34
226	Enhancement of photo-electrochemical reactions in MAPbI ₃ /Au. <i>Materials Today Energy</i> , 2018 , 9, 303-310		6
225	Vertical Graphene Tunneling Heterostructure with Ultrathin Ferroelectric BaTiO ₃ Film as a Tunnel Barrier. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018 , 12, 1800205	2.5	1
224	A General Strategy to Achieve Colossal Permittivity and Low Dielectric Loss Through Constructing Insulator/Semiconductor/Insulator Multilayer Structures. <i>Journal of Low Temperature Physics</i> , 2018 , 192, 346-358	1.3	2
223	Recent Progress in Black-Phosphorus-Based Heterostructures for Device Applications. <i>Small Methods</i> , 2018 , 2, 1700296	12.8	39
222	Self-Powered Sensors: Environmentally Friendly Hydrogel-Based Triboelectric Nanogenerators for Versatile Energy Harvesting and Self-Powered Sensors (Adv. Energy Mater. 1/2017). <i>Advanced Energy Materials</i> , 2017 , 7,	21.8	1
221	M Doping Induced Simultaneous Phase/Size Control and Remarkable Enhanced Upconversion Luminescence of NaLnF Probes for Optical-Guided Tiny Tumor Diagnosis. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601231	10.1	25
220	Water-soluble luminescent hybrid aminoclay grafted with lanthanide complexes synthesized by a Michael-like addition reaction and its gas sensing application in PVP nanofiber. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4670-4676	7.1	34
219	Colossal permittivity of (Mg + Nb) co-doped TiO ₂ ceramics with low dielectric loss. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5170-5175	7.1	85
218	A 980 nm laser-activated upconverted persistent probe for NIR-to-NIR rechargeable in vivo bioimaging. <i>Nanoscale</i> , 2017 , 9, 7276-7283	7.7	51
217	Plasmonic enhancement and polarization dependence of nonlinear upconversion emissions from single gold nanorod@SiO ₂ @CaF ₂ :Yb,Er hybrid core-shell-satellite nanostructures. <i>Light: Science and Applications</i> , 2017 , 6, e16217	16.7	110

216	X-ray-Activated Near-Infrared Persistent Luminescent Probe for Deep-Tissue and Renewable in Vivo Bioimaging. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22132-22142	9.5	68
215	Amorphous two-dimensional black phosphorus with exceptional photocarrier transport properties. <i>2D Materials</i> , 2017 , 4, 025063	5.9	16
214	Addressable and Color-Tunable Piezophotonic Light-Emitting Stripes. <i>Advanced Materials</i> , 2017 , 29, 1605165	11.65	44
213	Wafer-Scale Synthesis of High-Quality Semiconducting Two-Dimensional Layered InSe with Broadband Photoresponse. <i>ACS Nano</i> , 2017 , 11, 4225-4236	16.7	207
212	Energy Device Applications of Synthesized 1D Polymer Nanomaterials. <i>Small</i> , 2017 , 13, 1701820	11	31
211	Highly phosphorescent hollow fibers inner-coated with tungstate nanocrystals. <i>Materials Research Express</i> , 2017 , 4, 125029	1.7	3
210	Fully self-healing and shape-tailorable triboelectric nanogenerators based on healable polymer and magnetic-assisted electrode. <i>Nano Energy</i> , 2017 , 40, 399-407	17.1	82
209	Temporal and Remote Tuning of Piezophotonic-Effect-Induced Luminescence and Color Gamut via Modulating Magnetic Field. <i>Advanced Materials</i> , 2017 , 29, 1701945	24	57
208	Site Occupancy and Near-Infrared Luminescence in Ca ₃ Ga ₂ Ge ₃ O ₁₂ : Cr ³⁺ Persistent Phosphor. <i>Advanced Optical Materials</i> , 2017 , 5, 1700227	8.1	73
207	Observation of Room-Temperature Magnetoresistance in Monolayer MoS by Ferromagnetic Gating. <i>ACS Nano</i> , 2017 , 11, 6950-6958	16.7	48
206	Environmentally Friendly Hydrogel-Based Triboelectric Nanogenerators for Versatile Energy Harvesting and Self-Powered Sensors. <i>Advanced Energy Materials</i> , 2017 , 7, 1601529	21.8	147
205	Tuning of near-infrared-to-near-infrared luminescence from one-photon to two-photon anti-Stokes shift in Ca ₃ Ga ₂ -xCr _x Ge ₃ O ₁₂ via varying Cr ³⁺ content. <i>Optics Letters</i> , 2017 , 42, 715-718	3	3
204	Time-dependent transport characteristics of graphene tuned by ferroelectric polarization and interface charge trapping. <i>Nanoscale</i> , 2017 , 10, 328-335	7.7	20
203	Progress in pulsed laser deposited two-dimensional layered materials for device applications. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 8859-8878	7.1	86
202	Two-Dimensional Layered Gallium Selenide: Preparation, Properties, and Applications 2016 , 1-36		1
201	High-performance colossal permittivity materials of (Nb + Er) co-doped TiO ₂ for large capacitors and high-energy-density storage devices. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 24270-7	3.6	63
200	Luminescent Ions in Advanced Composite Materials for Multifunctional Applications. <i>Advanced Functional Materials</i> , 2016 , 26, 6330-6350	15.6	165
199	Solution-Processable Ultrathin Black Phosphorus as an Effective Electron Transport Layer in Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2016 , 26, 864-871	15.6	157

198	Magnetic-Assisted Noncontact Triboelectric Nanogenerator Converting Mechanical Energy into Electricity and Light Emissions. <i>Advanced Materials</i> , 2016 , 28, 2744-51	24	107
197	Triboelectric Nanogenerators: Magnetic-Assisted Noncontact Triboelectric Nanogenerator Converting Mechanical Energy into Electricity and Light Emissions (Adv. Mater. 14/2016). <i>Advanced Materials</i> , 2016 , 28, 2843-2843	24	3
196	Enhanced energy transfer in Nd ³⁺ /Cr ³⁺ co-doped Ca ₃ Ga ₂ Ge ₃ O ₁₂ phosphors with near-infrared and long-lasting luminescence properties. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 3396-3402	7.1	49
195	Hybrid lanthanide nanoparticles as a new class of binary contrast agents for in vivo T/T dual-weighted MRI and synergistic tumor diagnosis. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 2715-2722	7.3	22
194	Highly luminescent hydrogels synthesized by covalent grafting of lanthanide complexes onto PNIPAM via one-pot free radical polymerization. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 3195-3201	7.1	44
193	Ultrasensitive Detection of Ebola Virus Oligonucleotide Based on Upconversion Nanoprobe/Nanoporous Membrane System. <i>ACS Nano</i> , 2016 , 10, 598-605	16.7	137
192	2D Layered Materials of Rare-Earth Er-Doped MoS ₂ with NIR-to-NIR Down- and Up-Conversion Photoluminescence. <i>Advanced Materials</i> , 2016 , 28, 7472-7	24	130
191	Simultaneous observation of up/down conversion photoluminescence and colossal permittivity properties in (Er+Nb) co-doped TiO ₂ materials. <i>Applied Physics Letters</i> , 2016 , 109, 042903	3.4	31
190	Deep ultraviolet photoconductive and near-infrared luminescence properties of Er ³⁺ -doped EGa ₂ O ₃ thin films. <i>Applied Physics Letters</i> , 2016 , 108, 211903	3.4	41
189	Near-infrared-to-near-infrared down-shifting and upconversion luminescence of KY ₃ F ₁₀ with single dopant of Nd ³⁺ ion. <i>Applied Physics Letters</i> , 2016 , 108, 041902	3.4	22
188	Rational Molecular Design for Achieving Persistent and Efficient Pure Organic Room-Temperature Phosphorescence. <i>Chem</i> , 2016 , 1, 592-602	16.2	399
187	Wind energy and blue energy harvesting based on magnetic-assisted noncontact triboelectric nanogenerator. <i>Nano Energy</i> , 2016 , 30, 36-42	17.1	85
186	Ferroelectric-Driven Performance Enhancement of Graphene Field-Effect Transistors Based on Vertical Tunneling Heterostructures. <i>Advanced Materials</i> , 2016 , 28, 10048-10054	24	45
185	A reduced graphene oxide-Au based electrochemical biosensor for ultrasensitive detection of enzymatic activity of botulinum neurotoxin A. <i>Sensors and Actuators B: Chemical</i> , 2015 , 220, 131-137	8.5	38
184	Directional Plk1 inhibition-driven cell cycle interruption using amphiphilic thin-coated peptide-lanthanide upconversion nanomaterials as in vivo tumor suppressors. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 2624-2634	7.3	6
183	Phosphors: Tuning the Luminescence of Phosphors: Beyond Conventional Chemical Method (Advanced Optical Materials 4/2015). <i>Advanced Optical Materials</i> , 2015 , 3, 416-416	8.1	2
182	Effects of dopant concentration on structural and near-infrared luminescence of Nd ³⁺ -doped beta-Ga ₂ O ₃ thin films. <i>Applied Physics Letters</i> , 2015 , 106, 171910	3.4	66
181	White and green light emissions of flexible polymer composites under electric field and multiple strains. <i>Nano Energy</i> , 2015 , 14, 372-381	17.1	80

180	Lanthanide-Doped Energy Cascade Nanoparticles: Full Spectrum Emission by Single Wavelength Excitation. <i>Chemistry of Materials</i> , 2015 , 27, 3115-3120	9.6	80
179	Persistent luminescence upconversion for Er ₂ O ₃ under 975nm excitation in vacuum. <i>Journal of Luminescence</i> , 2015 , 164, 116-122	3.8	17
178	Colossal permittivity properties of Zn,Nb co-doped TiO ₂ with different phase structures. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 11005-11010	7.1	77
177	Layer-Dependent Nonlinear Optical Properties and Stability of Non-Centrosymmetric Modification in Few-Layer GaSe Sheets. <i>Angewandte Chemie</i> , 2015 , 127, 1201-1205	3.6	19
176	Aggregation-induced emission rotors: rational design and tunable stimuli response. <i>Chemistry - A European Journal</i> , 2015 , 21, 907-14	4.8	31
175	Tuning the Luminescence of Phosphors: Beyond Conventional Chemical Method. <i>Advanced Optical Materials</i> , 2015 , 3, 431-462	8.1	110
174	A graphene oxide based fluorescence resonance energy transfer (FRET) biosensor for ultrasensitive detection of botulinum neurotoxin A (BoNT/A) enzymatic activity. <i>Biosensors and Bioelectronics</i> , 2015 , 65, 238-44	11.8	48
173	Comparative studies of upconversion luminescence characteristics and cell bioimaging based on one-step synthesized upconversion nanoparticles capped with different functional groups. <i>Journal of Luminescence</i> , 2015 , 157, 172-178	3.8	31
172	Stimuli responsive upconversion luminescence nanomaterials and films for various applications. <i>Chemical Society Reviews</i> , 2015 , 44, 1585-607	58.5	277
171	Tumor Detection: Remarkable NIR Enhancement of Multifunctional Nanoprobes for In Vivo Trimodal Bioimaging and Upconversion Optical/T ₂ -Weighted MRI-Guided Small Tumor Diagnosis (Adv. Funct. Mater. 46/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 7102-7102	15.6	5
170	Magnetic-Induced Luminescence: Magnetic-Induced Luminescence from Flexible Composite Laminates by Coupling Magnetic Field to Piezophotonic Effect (Adv. Mater. 30/2015). <i>Advanced Materials</i> , 2015 , 27, 4487	24	1
169	Temperature dependence of broadband near-infrared luminescence from Ni ²⁺ -doped Ba _{0.5} Sr _{0.5} TiO ₃ . <i>Journal of Applied Physics</i> , 2015 , 118, 183110	2.5	8
168	Photoluminescence enhancement in few-layer WS ₂ films via Au nanoparticles. <i>AIP Advances</i> , 2015 , 5, 067148	1.5	22
167	Field-effect transistors based on amorphous black phosphorus ultrathin films by pulsed laser deposition. <i>Advanced Materials</i> , 2015 , 27, 3748-54	24	222
166	Layer-dependent nonlinear optical properties and stability of non-centrosymmetric modification in few-layer GaSe sheets. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1185-9	16.4	124
165	Remarkable NIR Enhancement of Multifunctional Nanoprobes for In Vivo Trimodal Bioimaging and Upconversion Optical/T ₂ -Weighted MRI-Guided Small Tumor Diagnosis. <i>Advanced Functional Materials</i> , 2015 , 25, 7119-7129	15.6	106
164	Magnetic-Induced Luminescence from Flexible Composite Laminates by Coupling Magnetic Field to Piezophotonic Effect. <i>Advanced Materials</i> , 2015 , 27, 4488-4495	24	100
163	The Effects of Morphology and Linker Length on the Properties of Peptide-Lanthanide Upconversion Nanomaterials as G ₂ Phase Cell Cycle Inhibitors. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 4539-4545	2.3	6

162	Multicolor tuning towards single red-emission band of upconversion nanoparticles for tunable optical component and optical/x-ray imaging agents via Ce(3+) doping. <i>Nanotechnology</i> , 2015 , 26, 385702-4	3.4	8
161	Water-soluble Tb(3+) and Eu(3+) complexes based on task-specific ionic liquid ligands and their application in luminescent poly(vinyl alcohol) films. <i>Dalton Transactions</i> , 2015 , 44, 16810-7	4.3	28
160	Poly[(maleic anhydride)-alt-(vinyl acetate)]: A Pure Oxygenic Nonconjugated Macromolecule with Strong Light Emission and Solvatochromic Effect. <i>Macromolecules</i> , 2015 , 48, 64-71	5.5	183
159	Multi-color luminescence of uniform CdWO ₄ nanorods through Eu ³⁺ ion doping. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2865-2871	7.1	35
158	Mapping live cell viscosity with an aggregation-induced emission fluorogen by means of two-photon fluorescence lifetime imaging. <i>Chemistry - A European Journal</i> , 2015 , 21, 4315-20	4.8	68
157	Efficiency enhancement by defect engineering in perovskite photovoltaic cells prepared using evaporated PbI ₂ /CH ₃ NH ₃ I multilayers. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9223-9231	13	63
156	Thermal assisted oxygen annealing for high efficiency planar CH ₃ NH ₃ PbI ₃ perovskite solar cells. <i>Scientific Reports</i> , 2014 , 4, 6752	4.9	88
155	Upconversion luminescence resonance energy transfer (LRET)-based biosensor for rapid and ultrasensitive detection of avian influenza virus H7 subtype. <i>Small</i> , 2014 , 10, 2390-7	11	126
154	Deep ultraviolet to near-infrared emission and photoresponse in layered N-doped graphene quantum dots. <i>ACS Nano</i> , 2014 , 8, 6312-20	16.7	384
153	Above 1% efficiency of a ferroelectric solar cell based on the Pb(Zr,Ti)O ₃ film. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1363-1368	13	77
152	Ultrabroadband near-infrared luminescence and efficient energy transfer in Bi and Bi/Ho co-doped thin films. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 2482	7.1	26
151	Simultaneous Realization of Phase/Size Manipulation, Upconversion Luminescence Enhancement, and Blood Vessel Imaging in Multifunctional Nanoprobes Through Transition Metal Mn ²⁺ Doping. <i>Advanced Functional Materials</i> , 2014 , 24, 4051-4059	15.6	190
150	Electrical transport and resistance switching characteristics of BiFeO ₃ /Nb:SrTiO ₃ /GaAs heterostructure fabricated by pulsed laser deposition. <i>Applied Physics Letters</i> , 2014 , 105, 062904	3.4	7
149	Controlled synthesis, asymmetrical transport behavior and luminescence properties of lanthanide doped ZnO mushroom-like 3D hierarchical structures. <i>Nanoscale</i> , 2014 , 6, 13795-802	7.7	18
148	Chemical substitution-induced exceptional emitting-wavelength tuning in transition metal Ni ²⁺ -doped ferroelectric oxides with ultrabroadband near-infrared luminescence. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 4631	7.1	26
147	Bifunctional up-converting lanthanide nanoparticles for selective in vitro imaging and inhibition of cyclin D as anti-cancer agents. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 84-91	7.3	59
146	Photovoltaic enhancement due to surface-plasmon assisted visible-light absorption at the inartificial surface of lead zirconate-titanate film. <i>Nanoscale</i> , 2014 , 6, 2915-21	7.7	20
145	Graphene-based hybrid structures combined with functional materials of ferroelectrics and semiconductors. <i>Nanoscale</i> , 2014 , 6, 6346-62	7.7	78

144	Impedance analysis of secondary phases in a Co-implanted ZnO single crystal. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 16030-8	3.6	15
143	Lattice strain induced phase selection and epitaxial relaxation in crystalline GeTe thin film. <i>Thin Solid Films</i> , 2014 , 568, 70-73	2.2	2
142	Synergistic dual-modality in vivo upconversion luminescence/X-ray imaging and tracking of amine-functionalized NaYbF(4):Er nanoprobe. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 3839-46	9.5	70
141	Dual-modal upconversion fluorescent/X-ray imaging using ligand-free hexagonal phase NaLuF4:Gd/Yb/Er nanorods for blood vessel visualization. <i>Biomaterials</i> , 2014 , 35, 2934-41	15.6	113
140	Enhanced broadband excited upconversion luminescence in Ho-doped glasses by codoping with bismuth. <i>Optics Letters</i> , 2014 , 39, 3022-5	3	16
139	Tuning of near-infrared luminescence of SrTiO3:Ni2+ thin films grown on piezoelectric PMN-PT via strain engineering. <i>Scientific Reports</i> , 2014 , 4, 5724	4.9	42
138	Structural, Electronic, and Optical Properties of Functional Metal Oxides. <i>Advances in Condensed Matter Physics</i> , 2014 , 2014, 1-2	1	4
137	Upconversion: Simultaneous Realization of Phase/Size Manipulation, Upconversion Luminescence Enhancement, and Blood Vessel Imaging in Multifunctional Nanoprobes Through Transition Metal Mn2+ Doping (Adv. Funct. Mater. 26/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 4196-4196	15.6	9
136	Effect of biaxial strain induced by piezoelectric PMN-PT on the upconversion photoluminescence of BaTiO3:Yb/Er thin films. <i>Optics Express</i> , 2014 , 22, 29014-9	3.3	37
135	Exceptional tunability of band energy in a compressively strained trilayer MoS2 sheet. <i>ACS Nano</i> , 2013 , 7, 7126-31	16.7	429
134	Metal-ion doped luminescent thin films for optoelectronic applications. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 5607	7.1	97
133	How do substituents affect silole emission?. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 5661	7.1	38
132	Graphene/gallium arsenide-based Schottky junction solar cells. <i>Applied Physics Letters</i> , 2013 , 103, 233113	3.4	64
131	Surface ligand-mediated phase and upconversion luminescence tuning of multifunctional NaGdF4:Yb/Er materials with paramagnetic and cathodoluminescent characteristics. <i>Optical Materials</i> , 2013 , 35, 2691-2697	3.3	13
130	Simultaneous synthesis and amine-functionalization of single-phase BaYF5:Yb/Er nanoprobe for dual-modal in vivo upconversion fluorescence and long-lasting X-ray computed tomography imaging. <i>Nanoscale</i> , 2013 , 5, 6023-9	7.7	74
129	Fast uptake, water-soluble, mitochondria-specific erbium complex for a dual function molecular probe imaging and photodynamic therapy. <i>RSC Advances</i> , 2013 , 3, 382-385	3.7	22
128	Broadband conversion of ultraviolet to visible and near-infrared emission in Gd3+/Yb3+ codoped germanate glass. <i>Journal of Non-Crystalline Solids</i> , 2013 , 376, 26-29	3.9	7
127	Multifunctional tunable ultra-broadband visible and near-infrared luminescence from bismuth-doped germanate glasses. <i>Journal of Applied Physics</i> , 2013 , 113, 083503	2.5	33

126	In vitro cell imaging using multifunctional small sized KGdF4:Yb3+,Er3+ upconverting nanoparticles synthesized by a one-pot solvothermal process. <i>Nanoscale</i> , 2013 , 5, 3465-73	7.7	82
125	Reversible mechanochromism of a luminescent elastomer. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 4625-31	9.5	26
124	Color-tunable upconversion luminescence of Yb3+, Er3+, and Tm3+ tri-doped ferroelectric BaTiO3 materials. <i>Journal of Applied Physics</i> , 2013 , 113, 184112	2.5	50
123	Ferroelectric Polarization Effects on the Transport Properties of Graphene/PMN-PT Field Effect Transistors. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 13747-13752	3.8	44
122	Enhanced broadband near-infrared luminescence in Bi-doped glasses by co-doping with Ag. <i>Journal of Applied Physics</i> , 2013 , 113, 183506	2.5	16
121	Effects of controllable biaxial strain on the Raman spectra of monolayer graphene prepared by chemical vapor deposition. <i>Applied Physics Letters</i> , 2013 , 102, 223112	3.4	43
120	Ultra-broadband infrared luminescence of Bi-doped thin-films for integrated optics. <i>Optics Express</i> , 2013 , 21, 18532-7	3.3	8
119	Determination of band alignment of pulsed-laser-deposited perovskite titanate/III-V semiconductor heterostructure using X-ray and ultraviolet photoelectron spectroscopy. <i>Applied Physics Letters</i> , 2013 , 103, 031919	3.4	11
118	Broadband Near-Infrared Quantum Cutting in Metal-Ion Codoped Y3Al5O12Thin Films Grown by Pulsed-Laser Deposition for Solar Cell Application. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-6	3.2	5
117	Heteroepitaxial growth and multiferroic properties of Mn-doped BiFeO3 films on SrTiO3 buffered III-V semiconductor GaAs. <i>Journal of Applied Physics</i> , 2013 , 114, 094106	2.5	13
116	Piezo-phototronic effect-induced dual-mode light and ultrasound emissions from ZnS:Mn/PMN-PT thin-film structures. <i>Advanced Materials</i> , 2012 , 24, 1729-35	24	125
115	Dual-modal fluorescent/magnetic bioprobes based on small sized upconversion nanoparticles of amine-functionalized BaGdF5:Yb/Er. <i>Nanoscale</i> , 2012 , 4, 5118-24	7.7	91
114	Size-dependent colorimetric visual detection of melamine in milk at 10 ppb level by citrate-stabilized Au nanoparticles. <i>Analytical Methods</i> , 2012 , 4, 2499	3.2	27
113	Near-infrared Quantum Cutting in Eu3+-Yb3+ co-doped YAG through Downconversion for Silicon Solar Cell. <i>Energy Procedia</i> , 2012 , 15, 129-134	2.3	15
112	Quasi-seeded growth, phase transformation, and size tuning of multifunctional hexagonal NaLnF4 (Ln = Y, Gd, Yb) nanocrystals via in situ cation-exchange reaction. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2254-2262		18
111	Bi-functional NaLuF4:Gd3+/Yb3+/Tm3+ nanocrystals: structure controlled synthesis, near-infrared upconversion emission and tunable magnetic properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 9870		141
110	PEG modified BaGdF5:Yb/Er nanoprobles for multi-modal upconversion fluorescent, in vivo X-ray computed tomography and biomagnetic imaging. <i>Biomaterials</i> , 2012 , 33, 9232-8	15.6	221
109	In-plane dielectric properties of epitaxial Ba0.7Sr0.3TiO3 thin films grown on GaAs for tunable device application. <i>Journal of Applied Physics</i> , 2012 , 112, 054110	2.5	12

108	A strategy for simultaneously realizing the cubic-to-hexagonal phase transition and controlling the small size of NaYF ₄ :Yb ³⁺ ,Er ³⁺ nanocrystals for in vitro cell imaging. <i>Small</i> , 2012 , 8, 1863-8	11	81
107	Deep ultraviolet photoluminescence of water-soluble self-passivated graphene quantum dots. <i>ACS Nano</i> , 2012 , 6, 5102-10	16.7	1323
106	Phase-change control of ferromagnetism in GeTe-based phase change magnetic thin-films by pulsed laser deposition. <i>Applied Physics Letters</i> , 2011 , 99, 081908	3.4	19
105	Simultaneous synthesis and functionalization of water-soluble up-conversion nanoparticles for in-vitro cell and nude mouse imaging. <i>Nanoscale</i> , 2011 , 3, 2175-81	7.7	105
104	Water-soluble mitochondria-specific ytterbium complex with impressive NIR emission. <i>Journal of the American Chemical Society</i> , 2011 , 133, 20120-2	16.4	124
103	Effects of site substitutions and concentration on upconversion luminescence of Er(3+)-doped perovskite titanate. <i>Optics Express</i> , 2011 , 19, 1824-9	3.3	132
102	Upconversion luminescence of an insulator involving a band to band multiphoton excitation process. <i>Optics Express</i> , 2011 , 19, 11753-8	3.3	31
101	Effect of strain on ferroelectric and magnetic behavior in Pb(Zr _{0.52} Ti _{0.48})O ₃ -based magnetoelectric heterostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 11227-30	1.3	1
100	Ultra-Broadband Near-Infrared Luminescence of Ni ²⁺ : ZnO/Al ₂ O ₃ /Bi ₂ O ₃ Nanocomposite Glasses Prepared by Sol-Gel Method. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 2902-2905	3.8	22
99	Interfacial and rectifying characteristic of epitaxial SrTiO ₃ /GaAs p-n junctions. <i>Scripta Materialia</i> , 2011 , 65, 323-326	5.6	14
98	Synthesis of (Sr, Eu)CO ₃ @SiO ₂ core-shell-like precursor for alkali earth silicate phosphors. <i>Journal of Rare Earths</i> , 2011 , 29, 911-914	3.7	3
97	Phase transformation and size tuning in controlled-growth of nanocrystals via self-seeded nucleation with preferential thermodynamic stability. <i>Chemical Communications</i> , 2011 , 47, 12544-6	5.8	16
96	Comparative Studies of Multi-Photon Induced Emission by Pyridine-Based Small Molecular Probes in Biological Media: Selective Binding of Bioactive Molecules and In Vitro Imaging. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 5054-5060	3.2	3
95	Electric-Induced Enhancement and Modulation of Upconversion Photoluminescence in Epitaxial BaTiO ₃ :Yb/Er Thin Films. <i>Angewandte Chemie</i> , 2011 , 123, 7008-7012	3.6	87
94	Electric-induced enhancement and modulation of upconversion photoluminescence in epitaxial BaTiO ₃ :Yb/Er thin films. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6876-80	16.4	263
93	Tunable Multicolor Upconversion Emissions and Paramagnetic Property of Monodispersed Bifunctional Lanthanide-Doped NaGdF ₄ Nanorods. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 20141-20147	3.8	119
92	Water dispersible ultra-small multifunctional KGdF ₄ :Tm ³⁺ , Yb ³⁺ nanoparticles with near-infrared to near-infrared upconversion. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16589		156
91	Anomalous second ferromagnetic phase transition as a signature of spinodal decomposition in Fe-doped GeTe diluted magnetic semiconductor. <i>Applied Physics Letters</i> , 2011 , 99, 202508	3.4	8

90	Inner surface enhanced femtosecond second harmonic generation in thin ZnO crystal tubes. <i>Journal of Applied Physics</i> , 2011 , 109, 013528	2.5	6
89	Ion-implantation induced nano distortion layer and its influence on nonlinear optical properties of ZnO single crystals. <i>Journal of Applied Physics</i> , 2011 , 110, 083102	2.5	6
88	Light Emission Due to Energy Transfer from Gd ^[sup 3+] to Eu ^[sup 3+] Ions in Paramagnetic NaGdF ₄ :Yb ³⁺ ,Er ³⁺ Submicrometer Disks. <i>Journal of the Electrochemical Society</i> , 2010 , 157, J315	3.9	13
87	Down- and up-conversion photoluminescence, cathodoluminescence and paramagnetic properties of NaGdF ₄ :Yb ³⁺ ,Er ³⁺ submicron disks assembled from primary nanocrystals. <i>Journal of Materials Chemistry</i> , 2010 , 20, 3178		172
86	Controllable synthesis and formation mechanism of luminescent monodispersed NaEuF ₄ submicron disks through assembled nanocrystals. <i>CrystEngComm</i> , 2010 , 12, 1373-1376	3.3	18
85	Towards pure near-infrared to near-infrared upconversion of multifunctional GdF ₃ :Yb ⁽³⁺⁾ ,Tm ⁽³⁺⁾ nanoparticles. <i>Optics Express</i> , 2010 , 18, 6123-30	3.3	100
84	Luminous and tunable white-light upconversion for YAG (Yb ₃ Al ₅ O ₁₂) and (Yb,Y) ₂ O ₃ nanopowders. <i>Optics Letters</i> , 2010 , 35, 3922-4	3	73
83	Synthesis and luminescence of sub-micron sized Ca ₃ Sc ₂ Si ₃ O ₁₂ :Ce green phosphors for white light-emitting diode and field-emission display applications. <i>Journal of Alloys and Compounds</i> , 2010 , 504, 488-492	5.7	38
82	Structural and resistance switching properties of ZnO/SrTiO ₃ /GaAs heterostructure grown by laser molecular beam epitaxy. <i>Applied Physics Letters</i> , 2010 , 97, 162905	3.4	21
81	Growth mode and dielectric properties in laser MBE grown multilayer of SrTiO ₃ and YBa ₂ Cu ₃ O. <i>Vacuum</i> , 2010 , 85, 639-642	3.7	3
80	Electrical properties of ferroelectric BaTiO ₃ thin film on SrTiO ₃ buffered GaAs by laser molecular beam epitaxy. <i>Applied Physics Letters</i> , 2009 , 94, 032905	3.4	40
79	Magnetic and luminescent properties of multifunctional GdF ₃ :Eu ³⁺ nanoparticles. <i>Applied Physics Letters</i> , 2009 , 95, 022512	3.4	116
78	Improved Performance of Spherical BaWO ₄ :Tb ^[sup 3+] Phosphors for Field-Emission Displays. <i>Journal of the Electrochemical Society</i> , 2009 , 156, J112	3.9	51
77	Dislocation density and strain distribution in SrTiO ₃ film grown on (1 1 0) DyScO ₃ substrate. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 105307	3	21
76	Ligand-Driven Wavelength-Tunable and Ultra-Broadband Infrared Luminescence in Single-Ion-Doped Transparent Hybrid Materials. <i>Advanced Functional Materials</i> , 2009 , 19, 2081-2088	15.6	120
75	Structural and luminescent properties of gel-combustion synthesized green-emitting Ca ₃ Sc ₂ Si ₃ O ₁₂ :Ce ³⁺ phosphor for solid-state lighting. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 245102		40
74	Laser-Induced Optical Property Changes Inside Bi-Doped Glass. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 386-388	2.2	10
73	Photoluminescent and low-voltage cathodoluminescent blue-emitting phosphors with high colour purity. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 185103	3	8

72	Space-selective control of luminescence inside the Bi-doped mesoporous silica glass by a femtosecond laser. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4603		34
71	Effect of strain on the ferroelectric properties in epitaxial perovskite titanate thin films grown on ferromagnetic CoFe ₂ O ₄ layers. <i>Scripta Materialia</i> , 2008 , 58, 1118-1120	5.6	11
70	Highly efficient low-voltage cathodoluminescence of LaF ₃ :Ln ³⁺ (Ln=Eu ³⁺ ,Ce ³⁺ ,Tb ³⁺) spherical particles. <i>Applied Physics Letters</i> , 2008 , 93, 141106	3.4	92
69	Blue-Green, Red, and White Light Emission of ZnWO ₄ -based Phosphors for Low-Voltage Cathodoluminescence Applications. <i>Journal of the Electrochemical Society</i> , 2008 , 155, J152	3.9	18
68	Magnetotransport and dielectric properties of perovskite ruthenate and titanate thin films. <i>Journal of Applied Physics</i> , 2008 , 103, 063912	2.5	
67	Infrared luminescence and amplification properties of Bi-doped GeO ₂ /Ta ₂ O ₃ /Al ₂ O ₃ glasses. <i>Journal of Applied Physics</i> , 2008 , 103, 103532	2.5	23
66	Size-induced crystal field parameter change and tunable infrared luminescence in Ni(2+)-doped high-gallium nanocrystals embedded glass ceramics. <i>Nanotechnology</i> , 2008 , 19, 015702	3.4	32
65	Structural and dielectric properties of epitaxial SrTiO ₃ films grown directly on GaAs substrates by laser molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2008 , 104, 054103	2.5	20
64	Multifunctional Bismuth-Doped Nanoporous Silica Glass: From Blue-Green, Orange, Red, and White Light Sources to Ultra-Broadband Infrared Amplifiers. <i>Advanced Functional Materials</i> , 2008 , 18, 1407-1413	15.6	225
63	Low-temperature synthesis and cathodoluminescence properties of borate-based thin films. <i>Journal of Luminescence</i> , 2007 , 122-123, 577-579	3.8	3
62	INTEGRATION OF LASER MBE GROWN OXIDE THIN FILMS OF SrTiO ₃ WITH YBa ₂ Cu ₃ O _y FOR TUNABLE APPLICATIONS. <i>Surface Review and Letters</i> , 2007 , 14, 833-836	1.1	1
61	DISLOCATION DENSITY IN SrTiO ₃ FILM GROWN ON DyScO ₃ BY PULSE LASER ABLATION. <i>Surface Review and Letters</i> , 2007 , 14, 779-782	1.1	1
60	Improvement of laser molecular beam epitaxy grown SrTiO ₃ thin film properties by temperature gradient modulation growth. <i>Applied Physics Letters</i> , 2007 , 91, 131902	3.4	3
59	Growth mode mapping and structural properties of controlled perovskite BaTiO ₃ /SrTiO ₃ heterostructure. <i>Applied Physics Letters</i> , 2007 , 91, 201919	3.4	9
58	Dielectric properties of Ba _{0.6} Sr _{0.4} TiO ₃ thin films using Pb _{0.3} Sr _{0.7} TiO ₃ buffer layers. <i>Applied Physics Letters</i> , 2007 , 91, 252908	3.4	17
57	Rectifying characteristics and transport behavior of SrTiO ₃ /p-Si (100) heterojunctions. <i>Applied Physics Letters</i> , 2007 , 91, 062105	3.4	12
56	Effects of substrate on the dielectric and tunable properties of epitaxial SrTiO ₃ thin films. <i>Journal of Applied Physics</i> , 2006 , 100, 114107	2.5	19
55	Strain distribution in epitaxial SrTiO ₃ thin films. <i>Applied Physics Letters</i> , 2006 , 89, 262902	3.4	20

54	Blue-Light Emission from Undoped and Rare Earth-Doped Wide Bandgap Oxides. <i>Journal of Rare Earths</i> , 2006 , 24, 728-731	3.7	6
53	Application of optical and luminescent techniques to the characterization of oxide thin films. <i>Applied Surface Science</i> , 2006 , 252, 5590-5593	6.7	2
52	Characterization of oxide thin films using optical techniques. <i>Applied Surface Science</i> , 2006 , 253, 372-375.6.7		4
51	Laser molecular beam epitaxy growth and properties of SrTiO ₃ thin films for microelectronic applications. <i>Thin Solid Films</i> , 2006 , 515, 559-562	2.2	11
50	Interface structure and phase of epitaxial SrTiO ₃ (110) thin films grown directly on silicon. <i>Applied Physics Letters</i> , 2005 , 87, 131908	3.4	51
49	Cathodoluminescent characteristics of green-emitting ZnAl ₂ O ₄ :Mn thin-film phosphors. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 80, 151-154	2.6	34
48	A novel hydrate-based thin-film phosphor: low-temperature growth process and properties. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 81, 1277-1280	2.6	
47	SrTiO ₃ (110) thin films grown directly on different oriented silicon substrates. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 81, 1233-1236	2.6	4
46	CRYSTALLINE SrTiO ₃ THIN FILMS ON SILICON BY PULSED LASER DEPOSITION. <i>International Journal of Modern Physics B</i> , 2005 , 19, 533-535	1.1	
45	Cathodoluminescence of rare-earth-doped zinc aluminate films. <i>Thin Solid Films</i> , 2004 , 450, 334-340	2.2	115
44	Electroluminescence of europium-doped gallium oxide thin films. <i>Thin Solid Films</i> , 2004 , 467, 182-185	2.2	62
43	Abnormal reduction of Eu ions and luminescence in CaB ₂ O ₄ :Eu thin films. <i>Applied Physics Letters</i> , 2004 , 85, 3720-3722	3.4	53
42	Ordered array of nanoscale Ru crystals in the SrRuO ₃ buffer layer in an SrTiO ₃ /SrRuO ₃ bilayer film on SrTiO ₃ substrate. <i>Journal of Crystal Growth</i> , 2003 , 252, 279-284	1.6	2
41	Green, blue, and yellow cathodoluminescence of Ba ₂ B ₅ O ₉ Cl thin-films doped with Tb ³⁺ , Tm ³⁺ , and Mn ²⁺ . <i>Applied Physics Letters</i> , 2003 , 82, 2224-2226	3.4	54
40	In situ growth of blue-emitting thin films of cerium-doped barium chloride hydrate at low temperatures. <i>Applied Physics Letters</i> , 2003 , 82, 1404-1406	3.4	7
39	Tuning of the blue emission from europium-doped alkaline earth chloroborate thin films activated in air. <i>Applied Physics Letters</i> , 2003 , 82, 2778-2780	3.4	61
38	Luminescence of ZnWO ₄ and CdWO ₄ thin films prepared by spray pyrolysis. <i>Journal of Luminescence</i> , 2002 , 99, 349-354	3.8	85
37	A new mechanism for misfit dislocation generation: superdislocations associated with Ruddlesden-Popper planar defects. <i>Journal of Crystal Growth</i> , 2002 , 234, 603-609	1.6	19

36	Cathodoluminescence of Sr ₂ B ₅ O ₉ Cl thin films doped with Tm ³⁺ , Tb ³⁺ and Mn ²⁺ . <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 925-933	1.8	11
35	Blue cathodoluminescence from Ba ₂ B ₅ O ₉ Cl:Eu phosphor thin films on glass substrates. <i>Applied Physics Letters</i> , 2002 , 81, 4154-4156	3.4	48
34	Dislocations in SrTiO ₃ thin films grown on LaAlO ₃ substrates. <i>Journal of Materials Research</i> , 2002 , 17, 3117-3126	2.5	23
33	Propagation and interaction of {111} planar defects in the SrRuO ₃ buffer layer in SrTiO ₃ /SrRuO ₃ two-layer films on LaAlO ₃ substrates. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2002 , 82, 65-80		1
32	Luminescence studies of BaAl ₂ O ₄ films doped with Tm, Tb, and Eu. <i>Journal Physics D: Applied Physics</i> , 2002 , 35, 2841-2845	3	20
31	Optical and luminescent properties of undoped and rare-earth-doped Ga ₂ O ₃ thin films deposited by spray pyrolysis. <i>Journal Physics D: Applied Physics</i> , 2002 , 35, 433-438	3	104
30	Blue, green and red cathodoluminescence of Y ₂ O ₃ phosphor films prepared by spray pyrolysis. <i>Journal of Luminescence</i> , 2001 , 93, 313-319	3.8	166
29	Electronic transport and magnetic properties in (La _{1-x} Gd _x) _{0.67} Ca _{0.33} MnO ₃ perovskites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2001 , 83, 70-73	3.1	8
28	Microstructure and misfit relaxation in SrTiO ₃ /SrRuO ₃ bilayer films on LaAlO ₃ (100) substrates. <i>Journal of Materials Research</i> , 2001 , 16, 3443-3450	2.5	36
27	Dielectric loss and defect mode of SrTiO ₃ thin films under direct-current bias. <i>Applied Physics Letters</i> , 2001 , 78, 2754-2756	3.4	37
26	Luminescent characteristics of blue-emitting Sr ₂ B ₅ O ₉ Cl: Eu thin-film phosphors. <i>Applied Physics Letters</i> , 2001 , 79, 740-742	3.4	59
25	Conservative antiphase boundary in SrTiO ₃ films on LaAlO ₃ substrates with SrRuO ₃ buffer layers. <i>Journal of Applied Physics</i> , 2001 , 89, 5653-5656	2.5	14
24	Transient photoconductivity properties of tungsten oxide thin films prepared by spray pyrolysis. <i>Journal of Applied Physics</i> , 2001 , 90, 5064-5069	2.5	70
23	Stair-rod dislocations in perovskite films on LaAlO ₃ substrates. <i>Philosophical Magazine Letters</i> , 2001 , 81, 375-383	1	12
22	Soft-mode hardening in SrTiO ₃ thin films. <i>Nature</i> , 2000 , 404, 373-6	50.4	219
21	Oxide Thin Films for Tunable Microwave Devices 2000 , 4, 393-405		102
20	Properties of interfaces between SrTiO ₃ thin films and electrodes. <i>Integrated Ferroelectrics</i> , 2000 , 29, 53-61	0.8	2
19	Dielectric properties of pulsed-laser-deposited calcium titanate thin films. <i>Applied Physics Letters</i> , 2000 , 76, 3100-3102	3.4	58

18	Photoexcitation and transport characteristics in doped manganite thin films. <i>Materials Letters</i> , 2000 , 46, 225-228	3.3	5
17	Dielectric and lattice dynamical properties of SrTiO ₃ thin films. <i>Integrated Ferroelectrics</i> , 2000 , 28, 247-256	3.3	2
16	Interface Properties Between SrTiO ₃ Thin Films and Electrodes. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 596, 31		
15	In thin film grown on GaAs substrate by MBE and investigation of its multiquantum well structure. <i>Science in China Series A: Mathematics</i> , 1998 , 41, 399-404		5
14	Design and fabrication of 256x256 diffractive microlens arrays on Si substrates 1998 ,		1
13	Design and fabrication of 128x128 diffractive microlens arrays on Si for PtSi focal plane arrays 1998 ,		3
12	Dielectric Properties of Pulsed Laser Deposited SrTiO ₃ Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 541, 77		
11	Design and fabrication of 128x128 diffractive microlens arrays on Si substrates 1998 , 3505, 19		
10	Low-frequency 1/f noise in oxide material with giant magnetoresistance behavior. <i>Science Bulletin</i> , 1997 , 42, 163-166		1
9	Optical response of single-crystal (La,Ca)MnO ₃ thin films. <i>Journal of Applied Physics</i> , 1996 , 79, 1810-1812	2.5	20
8	In situ growth of YBaCuO films by ion beam sputtering. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1994 , 22, 165-167	3.1	
7	Infrared response of granular YBCO superconducting films. <i>Solid State Communications</i> , 1994 , 89, 535-537	3.1	4
6	. <i>IEEE Transactions on Applied Superconductivity</i> , 1993 , 3, 2167-2169	1.8	11
5	Different characteristics of high-temperature superconducting infrared detectors with granular and epitaxial films. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1993 , 14, 265-272		1
4	The impact of trench geometry and processing on the performance and reliability of low voltage power UMOSFETs		2
3	Multifunctional Optoelectronic Synapse Based on Ferroelectric Van der Waals Heterostructure for Emulating the Entire Human Visual System. <i>Advanced Functional Materials</i> , 2108014	15.6	23
2	Piezo-Phototronic Effect in 2D Hn ₂ Se ₃ /WSe ₂ van der Waals Heterostructure for Photodetector with Enhanced Photoresponse. <i>Advanced Optical Materials</i> , 2100864	8.1	10
1	High-Performance Memristor Based on 2D Layered BiOI Nanosheet for Low-Power Artificial Optoelectronic Synapses. <i>Advanced Functional Materials</i> , 2201276	15.6	14

