

Paras N Prasad

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.

571 papers	43,063 citations	103 h-index	188 g-index
581 ext. papers	46,558 ext. citations	7.6 avg, IF	7.52 L-index

#	Paper	IF	Citations
571	Mitochondrial Dysfunction: A Prelude to Neuropathogenesis of SARS-CoV-2.. <i>ACS Chemical Neuroscience</i> , 2022 ,	5.7	3
570	Nanochemistry advancing photon conversion in rare-earth nanostructures for theranostics. <i>Coordination Chemistry Reviews</i> , 2022 , 460, 214486	23.2	2
569	High contrast 3-D optical bioimaging using molecular and nanoprobe optically responsive to IR light. <i>Physics Reports</i> , 2022 , 962, 1-107	27.7	0
568	Small Molecule Based EGFR Targeting of Biodegradable Nanoparticles Containing Temozolomide and Cy5 Dye for Greatly Enhanced Image-Guided Glioblastoma Therapy.. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021 , 102513	6	2
567	Fluorescence lifetime imaging for studying DNA compaction and gene activities. <i>Light: Science and Applications</i> , 2021 , 10, 224	16.7	3
566	Chemistry, Functionalization, and Applications of Recent Monoelemental Two-Dimensional Materials and Their Heterostructures. <i>Chemical Reviews</i> , 2021 ,	68.1	23
565	Lifetime of the H Electronic State in Tm-Doped Upconverting Nanoparticles for NIR Nanothermometry. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 13132-13136	3.4	0
564	Photoechnogenic Inflatable Nanohybrids for Upconversion-Mediated Sonotheranostics. <i>ACS Nano</i> , 2021 ,	16.7	3
563	A Regioselectively Oxidized 2D Bi/BiOx Lateral Nano-Heterostructure for Hypoxic Photodynamic Therapy. <i>Advanced Materials</i> , 2021 , e2102562	24	16
562	A Single-Organelle Optical Omics Platform for Cell Science and Biomarker Discovery. <i>Analytical Chemistry</i> , 2021 , 93, 8281-8290	7.8	3
561	Repression of Interlayer Recombination by Graphene Generates a Sensitive Nanostructured 2D vdW Heterostructure Based Photodetector. <i>Advanced Science</i> , 2021 , 8, e2100503	13.6	13
560	Manipulating the Dynamics of Dark Excited States in Organic Materials for Phototheranostics. <i>Accounts of Chemical Research</i> , 2021 , 54, 697-706	24.3	24
559	Hybrid Curdlan Poly(α -Glutamic Acid) Nanoassembly for Immune Modulation in Macrophage. <i>Macromolecular Bioscience</i> , 2021 , 21, e2000358	5.5	0
558	Excretable, ultrasmall hexagonal NaGdF:Yb50% nanoparticles for bimodal imaging and radiosensitization. <i>Cancer Nanotechnology</i> , 2021 , 12, 4	7.9	1
557	Water-Dispersible CsPbBr Perovskite Nanocrystals with Ultra-Stability and its Application in Electrochemical CO Reduction. <i>Nano-Micro Letters</i> , 2021 , 13, 172	19.5	3
556	Hot-band absorption of indocyanine green for advanced anti-stokes fluorescence bioimaging. <i>Light: Science and Applications</i> , 2021 , 10, 182	16.7	0
555	Highly Efficient NaGdF:Ce/Tb Nanoscintillator with Reduced Afterglow and Light Scattering for High-Resolution X-ray Imaging. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44596-44603	9.5	8

554	Blast-induced injury responsive relative gene expression of traumatic brain injury biomarkers in human brain microvascular endothelial cells. <i>Brain Research</i> , 2021 , 1770, 147642	3.7	0
553	IDH1 mutations induce organelle defects via dysregulated phospholipids. <i>Nature Communications</i> , 2021 , 12, 614	17.4	19
552	Dye-Sensitized Lanthanide-Doped Upconversion Nanoparticles for Water Detection in Organic Solvents. <i>ACS Applied Nano Materials</i> , 2021 , 4, 14069-14076	5.6	0
551	Nonlinear Optical Interactions and Relaxation in 2D Layered Transition Metal Dichalcogenides Probed by Optical and Photoacoustic Z-Scan Methods. <i>ACS Photonics</i> , 2020 , 7, 3440-3447	6.3	11
550	Computational design of two-photon active organic molecules for infrared responsive materials. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 9867-9873	7.1	1
549	Galvanic replacement synthesis of multi-branched gold nanocrystals for photothermal cancer therapy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 5491-5499	7.3	9
548	High resolution mapping of subcellular refractive index by Fluorescence Lifetime Imaging: a next frontier in quantitative cell science?. <i>Methods and Applications in Fluorescence</i> , 2020 , 8, 032001	3.1	5
547	A Dual-Functioning 5PPPP-NS1shRNA that Activates a RIG-I Antiviral Pathway and Suppresses Influenza NS1. <i>Molecular Therapy - Nucleic Acids</i> , 2020 , 19, 1413-1422	10.7	0
546	A Multimodal Theranostic Nanoformulation That Dramatically Enhances Docetaxel Efficacy Against Castration Resistant Prostate Cancer. <i>Journal of Pharmaceutical Sciences</i> , 2020 , 109, 2874-2883	3.9	5
545	Interlayer-Sensitized Linear and Nonlinear Photoluminescence of Quasi-2D Hybrid Perovskites Using Aggregation-Induced Enhanced Emission Active Organic Cation Layers. <i>Advanced Functional Materials</i> , 2020 , 30, 1909375	15.6	8
544	Laser ablation for pharmaceutical nanoformulations: Multi-drug nanoencapsulation and theranostics for HIV. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 25, 102172	6	7
543	Elucidating the Role of the Organic Cation in Tuning the Optical Response of Two-Dimensional Organic-Inorganic Halide Perovskites by Computational Investigation. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 3224-3232	3.8	3
542	Two-dimensional MXenes: From morphological to optical, electric, and magnetic properties and applications. <i>Physics Reports</i> , 2020 , 848, 1-58	27.7	321
541	Bacterial Synthesis of Ternary CdS@Ag Quantum Dots through Cation Exchange: Tuning the Composition and Properties of Biological Nanoparticles for Bioimaging and Photovoltaic Applications. <i>Microorganisms</i> , 2020 , 8,	4.9	19
540	Quasi-triply-degenerate states and zero refractive index in two-dimensional all-dielectric photonic crystals. <i>Optics Express</i> , 2020 , 28, 5548-5554	3.3	3
539	Dynamically controlling local field enhancement at an epsilon-near-zero/dielectric interface via nonlinearities of an epsilon-near-zero medium. <i>Nanophotonics</i> , 2020 , 9, 4831-4837	6.3	4
538	Curcumin-Pluronic Nanoparticles: A Theranostic Nanoformulation for Alzheimer's Disease. <i>Critical Reviews in Biomedical Engineering</i> , 2020 , 48, 153-168	1.1	5
537	Photoacoustic and Magnetic Resonance Imaging of Hybrid Manganese Dioxide-Coated Ultra-small NaGdF Nanoparticles for Spatiotemporal Modulation of Hypoxia in Head and Neck Cancer. <i>Cancers</i> , 2020 , 12,	6.6	4

536	Two-Photon Excitation Enhanced High-Efficiency and Phase-Conjugate Stimulated Mie Scattering of Perovskite Nanocrystals Suspended in n-Hexane. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 25944-25950	3.8	1
535	Laser-Ablative Synthesis of Stable Aqueous Solutions of Elemental Bismuth Nanoparticles for Multimodal Theranostic Applications. <i>Nanomaterials</i> , 2020 , 10,	5.4	10
534	A dual mode nanophotonics concept for in situ activation of brain immune cells using a photoswitchable yolk-shell upconversion nanoformulation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 29, 102279	6	2
533	In Situ Ultraviolet Polymerization Using Upconversion Nanoparticles: Nanocomposite Structures Patterned by Near Infrared Light. <i>Nanomaterials</i> , 2020 , 10,	5.4	2
532	Perfluoropolyether Nanoemulsion Encapsulating Chlorin e6 for Sonodynamic and Photodynamic Therapy of Hypoxic Tumor. <i>Nanomaterials</i> , 2020 , 10,	5.4	8
531	Organic NIR-II Photoacoustic Agent Utilizing Combined Two-Photon and Excited State Absorption at 1064 nm. <i>ACS Photonics</i> , 2020 , 7, 3161-3165	6.3	10
530	Black phosphorus-based photothermal therapy with aCD47-mediated immune checkpoint blockade for enhanced cancer immunotherapy. <i>Light: Science and Applications</i> , 2020 , 9, 161	16.7	68
529	Dual Regioselective Targeting the Same Receptor in Nanoparticle-Mediated Combination Immuno/Chemotherapy for Enhanced Image-Guided Cancer Treatment. <i>ACS Nano</i> , 2020 , 14, 12781-12795	16.7	20
528	Laser-Processed Nanosilicon: A Multifunctional Nanomaterial for Energy and Healthcare. <i>ACS Nano</i> , 2019 , 13, 9841-9867	16.7	60
527	Manipulating Nonradiative Decay Channel by Intermolecular Charge Transfer for Exceptionally Improved Photothermal Conversion. <i>ACS Nano</i> , 2019 , 13, 12006-12014	16.7	46
526	Modulation of Surface Energy Transfer Cascade for Reversible Photoluminescence pH Sensing. <i>Chemistry of Materials</i> , 2019 , 31, 8121-8128	9.6	13
525	Cycles of protein condensation and discharge in nuclear organelles studied by fluorescence lifetime imaging. <i>Nature Communications</i> , 2019 , 10, 455	17.4	21
524	Stimuli-Responsive Reversible Switching of Intersystem Crossing in Pure Organic Material for Smart Photodynamic Therapy. <i>Angewandte Chemie</i> , 2019 , 131, 11222-11228	3.6	8
523	Stimuli-Responsive Reversible Switching of Intersystem Crossing in Pure Organic Material for Smart Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11105-11111	16.4	45
522	Doubly resonant sum frequency spectroscopy of mixed photochromic isomers on surfaces reveals conformation-specific vibronic effects. <i>Journal of Chemical Physics</i> , 2019 , 150, 114704	3.9	13
521	Biocompatible and biodegradable inorganic nanostructures for nanomedicine: Silicon and black phosphorus. <i>Nano Today</i> , 2019 , 25, 135-155	17.9	189
520	Photonics and optoelectronics using nano-structured hybrid perovskite media and their optical cavities. <i>Physics Reports</i> , 2019 , 795, 1-51	27.7	262
519	Laser-Ablative Synthesis of Isotope-Enriched Samarium Oxide Nanoparticles for Nuclear Nanomedicine. <i>Nanomaterials</i> , 2019 , 10,	5.4	7

518	Coherent Raman spectroscopic imaging to characterize microglia activation pathway. <i>Journal of Biophotonics</i> , 2019 , 12, e201800133	3.1	4
517	Toward Single-Organellar Lipidomics in Live Cells. <i>Analytical Chemistry</i> , 2019 , 91, 11380-11387	7.8	11
516	Cellular transformations in near-infrared light-induced apoptosis in cancer cells revealed by label-free CARS imaging. <i>Journal of Biophotonics</i> , 2019 , 12, e201900179	3.1	5
515	Neurovascular Coupling in the Dentate Gyrus Regulates Adult Hippocampal Neurogenesis. <i>Neuron</i> , 2019 , 103, 878-890.e3	13.9	31
514	Mechanism of stimulated Mie scattering: Light-induced redistribution of self-assembled nanospheres of two-photon absorbing chromophore. <i>Journal of Chemical Physics</i> , 2019 , 151, 104202	3.9	2
513	Boron-Nanoparticle-Loaded Folic-Acid-Functionalized Liposomes to Achieve Optimum Boron Concentration for Boron Neutron Capture Therapy of Cancer. <i>Journal of Biomedical Nanotechnology</i> , 2019 , 15, 1714-1723	4	15
512	Broadband mid-infrared nonlinear optical modulator enabled by gold nanorods: towards the mid-infrared regime. <i>Photonics Research</i> , 2019 , 7, 699	6	12
511	In vitro Pharmacokinetic Cell Culture System that Simulates Physiologic Drug and Nanoparticle Exposure to Macrophages. <i>Pharmaceutical Research</i> , 2019 , 36, 44	4.5	3
510	Near-Infrared Irradiation Affects Lipid Metabolism in Neuronal Cells, Inducing Lipid Droplets Formation. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 1517-1523	5.7	2
509	Self-cleaning membranes for water purification by co-deposition of photo-mobile 4,4'-azodianiline and bio-adhesive polydopamine. <i>Journal of Membrane Science</i> , 2018 , 554, 164-174	9.6	24
508	ICG-Sensitized NaYF ₄ :Er Nanostructure for Theranostics. <i>Advanced Optical Materials</i> , 2018 , 6, 1701142	8.1	34
507	Interaction of Structured Light with a Chiral Plasmonic Metasurface: Giant Enhancement of Chiro-Optic Response. <i>ACS Photonics</i> , 2018 , 5, 734-740	6.3	20
506	Neuroprotective effects of a biodegradable poly(lactic-co-glycolic acid)-ginsenoside Rg3 nanoformulation: a potential nanotherapy for Alzheimer's disease?. <i>Journal of Drug Targeting</i> , 2018 , 26, 182-193	5.4	34
505	TiO ₂ -coated fluoride nanoparticles for dental multimodal optical imaging. <i>Journal of Biophotonics</i> , 2018 , 11, e201700029	3.1	4
504	Gold-Small Interfering RNA as Optically Responsive Nanostructures for Cancer Theranostics. <i>Journal of Biomedical Nanotechnology</i> , 2018 , 14, 809-828	4	9
503	Polymer-assisted room-temperature synthesis of highly luminescent perovskite nanocrystals with superior water resistance for WLED. <i>Materials Letters</i> , 2018 , 232, 138-141	3.3	10
502	Heteroatom-Containing Organic Molecule for Two-Photon Fluorescence Lifetime Imaging and Photodynamic Therapy. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 20945-20951	3.8	6
501	Optical Control of Biomimetic Nanoparticle Catalysts Based upon the Metal Component. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 28055-28064	3.8	5

500	Multilevel Nanoarchitecture Exhibiting Biosensing for Cancer Diagnostics by Dual-Modal Switching of Optical and Magnetic Resonance Signals.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 1505-1511	4.1	10
499	Optical Control of Nanoparticle Catalysis Influenced by Photoswitch Positioning in Hybrid Peptide Capping Ligands. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 33640-33651	9.5	11
498	Organic Solvent and Surfactant Free Fluorescent Organic Nanoparticles by Laser Ablation of Aggregation-Induced Enhanced Emission Dyes. <i>Advanced Optical Materials</i> , 2018 , 6, 1800164	8.1	12
497	Dramatic Enhancement of Quantum Cutting in Lanthanide-Doped Nanocrystals Photosensitized with an Aggregation-Induced Enhanced Emission Dye. <i>Nano Letters</i> , 2018 , 18, 4922-4926	11.5	32
496	A core-multiple shell nanostructure enabling concurrent upconversion and quantum cutting for photon management. <i>Nanoscale</i> , 2017 , 9, 1934-1941	7.7	24
495	Subcellular Optogenetics Enacted by Targeted Nanotransformers of Near-Infrared Light. <i>ACS Photonics</i> , 2017 , 4, 806-814	6.3	44
494	Surfactant-stripped naphthalocyanines for multimodal tumor theranostics with upconversion guidance cream. <i>Nanoscale</i> , 2017 , 9, 3391-3398	7.7	33
493	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017 , 23, 1-6	3.8	2
492	Standardizing Size- and Shape-Controlled Synthesis of Monodisperse Magnetite (FeO) Nanocrystals by Identifying and Exploiting Effects of Organic Impurities. <i>ACS Nano</i> , 2017 , 11, 6370-6381	16.7	80
491	Au-CuSe heterogeneous nanocrystals for efficient photothermal heating for cancer therapy. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 4934-4942	7.3	28
490	Nd-Sensitized multicolor upconversion luminescence from a sandwiched core/shell/shell nanostructure. <i>Nanoscale</i> , 2017 , 9, 10633-10638	7.7	42
489	Lipid quantification by Raman microspectroscopy as a potential biomarker in prostate cancer. <i>Cancer Letters</i> , 2017 , 397, 52-60	9.9	31
488	Kuramite Cu ₃ SnS ₄ and Mohite Cu ₂ SnS ₃ Nanoplatelet Synthesis Using Covellite CuS Templates with Sn(II) and Sn(IV) Sources. <i>Chemistry of Materials</i> , 2017 , 29, 3555-3562	9.6	43
487	Nonlinear Photoacoustic Imaging by Multiphoton Upconversion and Energy Transfer. <i>ACS Photonics</i> , 2017 , 4, 2699-2705	6.3	17
486	Dopamine-mediated photothermal theranostics combined with up-conversion platform under near infrared light. <i>Scientific Reports</i> , 2017 , 7, 13562	4.9	29
485	Macromolecular Profiling of Organelles in Normal Diploid and Cancer Cells. <i>Analytical Chemistry</i> , 2017 , 89, 10985-10990	7.8	10
484	Molecular profiling of single organelles for quantitative analysis of cellular heterogeneity. <i>Scientific Reports</i> , 2017 , 7, 6512	4.9	19
483	Interplay between structure and chiral properties of polyfluorene derivatives. <i>Polymer</i> , 2017 , 132, 98-105.	5.9	7

482	Stable ICG-loaded upconversion nanoparticles: silica core/shell theranostic nanoplatfrom for dual-modal upconversion and photoacoustic imaging together with photothermal therapy. <i>Scientific Reports</i> , 2017 , 7, 15753	4.9	43
481	Halo-substituted azobenzenes adsorbed at Ag(111) and Au(111) interfaces: Structures and optical properties. <i>Physical Review B</i> , 2017 , 95,	3.3	2
480	Chiral polymer photonics. <i>Optical Materials Express</i> , 2017 , 7, 2432	2.6	8
479	Ramanomics: New Omics Disciplines Using Micro Raman Spectrometry with Biomolecular Component Analysis for Molecular Profiling of Biological Structures. <i>Biosensors</i> , 2017 , 7,	5.9	17
478	Efficient Broadband Upconversion of Near-Infrared Light in Dye-Sensitized Core/Shell Nanocrystals. <i>Advanced Optical Materials</i> , 2016 , 4, 1760-1766	8.1	85
477	Manipulating Magneto-Optic Properties of a Chiral Polymer by Doping with Stable Organic Biradicals. <i>Nano Letters</i> , 2016 , 16, 5451-5	11.5	25
476	In-situ second harmonic generation by cancer cell targeting ZnO nanocrystals to effect photodynamic action in subcellular space. <i>Biomaterials</i> , 2016 , 104, 78-86	15.6	21
475	Molecular nonlinear optics: recent advances and applications. <i>Advances in Optics and Photonics</i> , 2016 , 8, 328	16.7	69
474	Alleviating Luminescence Concentration Quenching in Upconversion Nanoparticles through Organic Dye Sensitization. <i>Journal of the American Chemical Society</i> , 2016 , 138, 15130-15133	16.4	111
473	Nanochemistry and Nanomedicine for Nanoparticle-based Diagnostics and Therapy. <i>Chemical Reviews</i> , 2016 , 116, 2826-85	68.1	962
472	Emerging Nanomedicine Approaches to Targeting HIV-1 and Antiretroviral Therapy. <i>Future Virology</i> , 2016 , 11, 101-104	2.4	4
471	Plasmon-enhanced two-photon-induced isomerization for highly-localized light-based actuation of inorganic/organic interfaces. <i>Nanoscale</i> , 2016 , 8, 4194-202	7.7	14
470	New Fluorene-based chiral copolymers with unusually high optical activity in pristine and annealed thin films. <i>RSC Advances</i> , 2016 , 6, 23879-23886	3.7	12
469	Near-IR responsive nanostructures for nanobiophotonics: emerging impacts on nanomedicine. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 771-788	6	35
468	Optical Actuation of Inorganic/Organic Interfaces: Comparing Peptide-Azobenzene Ligand Reconfiguration on Gold and Silver Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1050-1059	9.5	22
467	Pump spectral linewidth influence on stimulated Brillouin scattering (SBS) and stimulated Raman scattering (SRS) and self-termination behavior of SRS in liquids. <i>Annalen Der Physik</i> , 2016 , 528, 852-864	2.6	10
466	Manganese-doped near-infrared emitting nanocrystals for in vivo biomedical imaging. <i>Optics Express</i> , 2016 , 24, 17553-61	3.3	8
465	Tunable Narrow Band Emissions from Dye-Sensitized Core/Shell/Shell Nanocrystals in the Second Near-Infrared Biological Window. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16192-16195	16.4	257

464	Resonance Raman Probes for Organelle-Specific Labeling in Live Cells. <i>Scientific Reports</i> , 2016 , 6, 28483	4.9	25
463	Toward a modular multi-material nanoparticle synthesis and assembly strategy via bionanocombinatorics: bifunctional peptides for linking Au and Ag nanomaterials. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 30845-30856	3.6	7
462	Twisted Thiophene-Based Chromophores with Enhanced Intramolecular Charge Transfer for Cooperative Amplification of Third-Order Optical Nonlinearity. <i>Journal of the American Chemical Society</i> , 2016 , 138, 6975-84	16.4	81
461	Multifunctional Photonics Nanoparticles for Crossing the Blood-Brain Barrier and Effecting Optically Trackable Brain Theranostics. <i>Advanced Functional Materials</i> , 2016 , 26, 7057-7066	15.6	44
460	New Generation Cadmium-Free Quantum Dots for Biophotonics and Nanomedicine. <i>Chemical Reviews</i> , 2016 , 116, 12234-12327	68.1	369
459	Remote Optically Controlled Modulation of Catalytic Properties of Nanoparticles through Reconfiguration of the Inorganic/Organic Interface. <i>ACS Nano</i> , 2016 , 10, 9470-9477	16.7	43
458	Metaphotonics: An emerging field with opportunities and challenges. <i>Physics Reports</i> , 2015 , 594, 1-60	27.7	52
457	Triggering nanoparticle surface ligand rearrangement via external stimuli: light-based actuation of biointerfaces. <i>Nanoscale</i> , 2015 , 7, 13638-45	7.7	24
456	Room-Temperature Synthesis of Covellite Nanoplatelets with Broadly Tunable Localized Surface Plasmon Resonance. <i>Chemistry of Materials</i> , 2015 , 27, 2584-2590	9.6	73
455	Cooperative coupling of cyanine and tictoid twisted Bsystems to amplify organic chromophore cubic nonlinearities. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4622-5	16.4	47
454	Energy-Cascaded Upconversion in an Organic Dye-Sensitized Core/Shell Fluoride Nanocrystal. <i>Nano Letters</i> , 2015 , 15, 7400-7	11.5	279
453	Low-bandgap biophotonic nanoblend: a platform for systemic disease targeting and functional imaging. <i>Biomaterials</i> , 2015 , 39, 225-33	15.6	16
452	Light upconverting core-shell nanostructures: nanophotonic control for emerging applications. <i>Chemical Society Reviews</i> , 2015 , 44, 1680-713	58.5	417
451	Lanthanide-Doped Fluoride Core/Multishell Nanoparticles for Broadband Upconversion of Infrared Light. <i>Advanced Optical Materials</i> , 2015 , 3, 575-582	8.1	47
450	A degradable brush polymer-drug conjugate for pH-responsive release of doxorubicin. <i>Polymer Chemistry</i> , 2015 , 6, 953-961	4.9	73
449	Chronic constriction injury-induced nociception is relieved by nanomedicine-mediated decrease of rat hippocampal tumor necrosis factor. <i>Pain</i> , 2015 , 156, 1320-1333	8	36
448	Single Cell Assay for Molecular Diagnostics and Medicine: Monitoring Intracellular Concentrations of Macromolecules by Two-photon Fluorescence Lifetime Imaging. <i>Theranostics</i> , 2015 , 5, 919-30	12.1	34
447	Well-defined diblock brush polymer-drug conjugates for sustained delivery of paclitaxel. <i>Biomaterials Science</i> , 2015 , 3, 1078-84	7.4	36

446	Fluctuations and synchrony of RNA synthesis in nucleoli. <i>Integrative Biology (United Kingdom)</i> , 2015 , 7, 681-92	3.7	16
445	Organelle specific imaging in live cells and immuno-labeling using resonance Raman probe. <i>Biomaterials</i> , 2015 , 53, 25-31	15.6	29
444	Tuning upconversion through a sensitizer/activator-isolated NaYF ₄ core/shell structure. <i>Nanoscale</i> , 2015 , 7, 3976-84	7.7	45
443	Hexamodal imaging with porphyrin-phospholipid-coated upconversion nanoparticles. <i>Advanced Materials</i> , 2015 , 27, 1785-90	24	163
442	Multimodal nanoparticles that provide immunomodulation and intracellular drug delivery for infectious diseases. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 831-8	6	58
441	Synthesis of pH-responsive chitosan nanocapsules for the controlled delivery of doxorubicin. <i>Langmuir</i> , 2014 , 30, 4111-9	4	42
440	Biodegradable cationic polymeric nanocapsules for overcoming multidrug resistance and enabling drug-gene co-delivery to cancer cells. <i>Nanoscale</i> , 2014 , 6, 1567-72	7.7	89
439	Poly(lactide)-graft-doxorubicin nanoparticles with precisely controlled drug loading for pH-triggered drug delivery. <i>Biomacromolecules</i> , 2014 , 15, 524-32	6.9	105
438	Enhanced upconversion emission in colloidal (NaYF ₄ :Er(3+))/NaYF ₄ core/shell nanoparticles excited at 1523 nm. <i>Optics Letters</i> , 2014 , 39, 1386-9	3	51
437	Simultaneous multiple wavelength upconversion in a core-shell nanoparticle for enhanced near infrared light harvesting in a dye-sensitized solar cell. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 18018-25	9.5	65
436	Changes in biomolecular profile in a single nucleolus during cell fixation. <i>Analytical Chemistry</i> , 2014 , 86, 10909-16	7.8	25
435	Comparative Study of Materials-Binding Peptide Interactions with Gold and Silver Surfaces and Nanostructures: A Thermodynamic Basis for Biological Selectivity of Inorganic Materials. <i>Chemistry of Materials</i> , 2014 , 26, 4960-4969	9.6	96
434	Hydrogels: Pd-Porphyrin-Cross-Linked Implantable Hydrogels with Oxygen-Responsive Phosphorescence (Adv. Healthcare Mater. 6/2014). <i>Advanced Healthcare Materials</i> , 2014 , 3, 890-890	10.1	
433	Intense ultraviolet upconversion emission from water-dispersed colloidal YF ₃ :Yb ³⁺ /Tm ³⁺ rhombic nanodisks. <i>Nanoscale</i> , 2014 , 6, 753-7	7.7	49
432	Size-tunable and monodisperse Tm ³⁺ /Gd ³⁺ -doped hexagonal NaYbF ₄ nanoparticles with engineered efficient near infrared-to-near infrared upconversion for in vivo imaging. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 13884-93	9.5	111
431	Pd-porphyrin-cross-linked implantable hydrogels with oxygen-responsive phosphorescence. <i>Advanced Healthcare Materials</i> , 2014 , 3, 891-6	10.1	41
430	Plasmonic Semiconductor Nanocrystals as Chemical Sensors: Pb ²⁺ Quantitation via Aggregation-Induced Plasmon Resonance Shift. <i>Plasmonics</i> , 2014 , 9, 893-898	2.4	15
429	Manipulating nanoscale interactions in a polymer nanocomposite for chiral control of linear and nonlinear optical functions. <i>Advanced Materials</i> , 2014 , 26, 1607-11	24	12

428	Peptide-mediated synthesis of gold nanoparticles: effects of peptide sequence and nature of binding on physicochemical properties. <i>Nanoscale</i> , 2014 , 6, 3165-72	7.7	91
427	Upconversion nanoparticles: design, nanochemistry, and applications in theranostics. <i>Chemical Reviews</i> , 2014 , 114, 5161-214	68.1	1742
426	Enhanced Upconversion Luminescence in Yb/Tm-Codoped Fluoride Active Core/Active Shell/Inert Shell Nanoparticles through Directed Energy Migration. <i>Nanomaterials</i> , 2014 , 4, 55-68	5.4	67
425	Direct three-photon excitation of upconversion random laser emission in a weakly scattering organic colloidal system. <i>Optics Express</i> , 2014 , 22, 14305-10	3.3	18
424	Ormosil nanoparticles as a sustained-release drug delivery vehicle. <i>RSC Advances</i> , 2014 , 4, 53498-53504	3.7	24
423	Nanochemistry and nanomaterials for photovoltaics. <i>Chemical Society Reviews</i> , 2013 , 42, 8304-38	58.5	225
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