Paras N Prasad

List of Publications by Year
in descending order

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		1371	2280
575	49,956	108	200
papers	citations	h-index	g-index

581	581	581	40977
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemistry, Functionalization, and Applications of Recent Monoelemental Two-Dimensional Materials and Their Heterostructures. Chemical Reviews, 2022, 122, 1127-1207.	47.7	103
2	Mitochondrial Dysfunction: A Prelude to Neuropathogenesis of SARS-CoV-2. ACS Chemical Neuroscience, 2022, 13, 308-312.	3.5	16
3	Small molecule based EGFR targeting of biodegradable nanoparticles containing temozolomide and Cy5 dye for greatly enhanced image-guided glioblastoma therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 41, 102513.	3.3	8
4	Laser synthesis of nanomaterials for nuclear nanomedicine. , 2022, , .		0
5	Transforming Nuclear Medicine with Nanoradiopharmaceuticals. ACS Nano, 2022, 16, 5036-5061.	14.6	30
6	Nanochemistry advancing photon conversion in rare-earth nanostructures for theranostics. Coordination Chemistry Reviews, 2022, 460, 214486.	18.8	39
7	High contrast 3-D optical bioimaging using molecular and nanoprobes optically responsive to IR light. Physics Reports, 2022, 962, 1-107.	25.6	8
8	Laser-ablative aqueous synthesis and characterization of elemental boron nanoparticles for biomedical applications. Scientific Reports, 2022, 12, .	3.3	14
9	Manipulating the Dynamics of Dark Excited States in Organic Materials for Phototheranostics. Accounts of Chemical Research, 2021, 54, 697-706.	15.6	67
10	Hybrid Curdlan Poly(Î³â€‰â€€lutamic Acid) Nanoassembly for Immune Modulation in Macrophage. Macromolecular Bioscience, 2021, 21, 2000358.	4.1	2
11	Excretable, ultrasmall hexagonal NaGdF4:Yb50% nanoparticles for bimodal imaging and radiosensitization. Cancer Nanotechnology, 2021, 12, 4.	3.7	9
12	A Single-Organelle Optical Omics Platform for Cell Science and Biomarker Discovery. Analytical Chemistry, 2021, 93, 8281-8290.	6.5	11
13	Repression of Interlayer Recombination by Graphene Generates a Sensitive Nanostructured 2D vdW Heterostructure Based Photodetector. Advanced Science, 2021, 8, e2100503.	11.2	28
14	Water-Dispersible CsPbBr3 Perovskite Nanocrystals with Ultra-Stability and its Application in Electrochemical CO2 Reduction. Nano-Micro Letters, 2021, 13, 172.	27.0	20
15	Hot-band absorption of indocyanine green for advanced anti-stokes fluorescence bioimaging. Light: Science and Applications, 2021, 10, 182.	16.6	13
16	Highly Efficient NaGdF₄:Ce/Tb Nanoscintillator with Reduced Afterglow and Light Scattering for High-Resolution X-ray Imaging. ACS Applied Materials & Interfaces, 2021, 13, 44596-44603.	8.0	44
17	Blast-induced injury responsive relative gene expression of traumatic brain injury biomarkers in human brain microvascular endothelial cells. Brain Research, 2021, 1770, 147642.	2.2	3
18	IDH1 mutations induce organelle defects via dysregulated phospholipids. Nature Communications, 2021, 12, 614.	12.8	44

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19	Photoechogenic Inflatable Nanohybrids for Upconversion-Mediated Sonotheranostics. ACS Nano, 2021, 15, 18394-18402.	14.6	8
20	A Regioselectively Oxidized 2D Bi/BiOx Lateral Nanoâ€Heterostructure for Hypoxic Photodynamic Therapy. Advanced Materials, 2021, 33, e2102562.	21.0	54
21	Fluorescence lifetime imaging for studying DNA compaction and gene activities. Light: Science and Applications, 2021, 10, 224.	16.6	15
22	Lifetime of the ³H₄ Electronic State in Tm³⁺-Doped Upconverting Nanoparticles for NIR Nanothermometry. Journal of Physical Chemistry B, 2021, 125, 13132-13136.	2.6	9
23	Dye-Sensitized Lanthanide-Doped Upconversion Nanoparticles for Water Detection in Organic Solvents. ACS Applied Nano Materials, 2021, 4, 14069-14076.	5.0	7
24	Photoacoustic and Magnetic Resonance Imaging of Hybrid Manganese Dioxide-Coated Ultra-Small NaGdF4 Nanoparticles for Spatiotemporal Modulation of Hypoxia in Head and Neck Cancer. Cancers, 2020, 12, 3294.	3.7	15
25	Two-Photon Excitation Enhanced High-Efficiency and Phase-Conjugate Stimulated Mie Scattering of Perovskite Nanocrystals Suspended in n-Hexane. Journal of Physical Chemistry C, 2020, 124, 25944-25950.	3.1	3
26	Laser-Ablative Synthesis of Stable Aqueous Solutions of Elemental Bismuth Nanoparticles for Multimodal Theranostic Applications. Nanomaterials, 2020, 10, 1463.	4.1	33
27	A dual mode nanophotonics concept for in situ activation of brain immune cells using a photoswitchable yolk-shell upconversion nanoformulation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 29, 102279.	3.3	7
28	In Situ Ultraviolet Polymerization Using Upconversion Nanoparticles: Nanocomposite Structures Patterned by Near Infrared Light. Nanomaterials, 2020, 10, 2054.	4.1	9
29	Perfluoropolyether Nanoemulsion Encapsulating Chlorin e6 for Sonodynamic and Photodynamic Therapy of Hypoxic Tumor. Nanomaterials, 2020, 10, 2058.	4.1	21
30	Organic NIR-II Photoacoustic Agent Utilizing Combined Two-Photon and Excited State Absorption at 1064 nm. ACS Photonics, 2020, 7, 3161-3165.	6.6	17
31	Black phosphorus-based photothermal therapy with aCD47-mediated immune checkpoint blockade for enhanced cancer immunotherapy. Light: Science and Applications, 2020, 9, 161.	16.6	145
32	Dual Regioselective Targeting the Same Receptor in Nanoparticle-Mediated Combination Immuno/Chemotherapy for Enhanced Image-Guided Cancer Treatment. ACS Nano, 2020, 14, 12781-12795.	14.6	43
33	Nonlinear Optical Interactions and Relaxation in 2D Layered Transition Metal Dichalcogenides Probed by Optical and Photoacoustic Z-Scan Methods. ACS Photonics, 2020, 7, 3440-3447.	6.6	34
34	Computational design of two-photon active organic molecules for infrared responsive materials. Journal of Materials Chemistry C, 2020, 8, 9867-9873.	5.5	7
35	Galvanic replacement synthesis of multi-branched gold nanocrystals for photothermal cancer therapy. Journal of Materials Chemistry B, 2020, 8, 5491-5499.	5.8	17
36	High resolution mapping of subcellular refractive index by Fluorescence Lifetime Imaging: a next frontier in quantitative cell science?. Methods and Applications in Fluorescence, 2020, 8, 032001.	2.3	11

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37	A Dual-Functioning 5Ê¹-PPP-NS1shRNA that Activates a RIG-I Antiviral Pathway and Suppresses Influenza NS1. Molecular Therapy - Nucleic Acids, 2020, 19, 1413-1422.	5.1	3
38	A Multimodal Theranostic Nanoformulation That Dramatically Enhances Docetaxel Efficacy Against Castration Resistant Prostate Cancer. Journal of Pharmaceutical Sciences, 2020, 109, 2874-2883.	3.3	8
39	Interlayerâ€Sensitized Linear and Nonlinear Photoluminescence of Quasiâ€2D Hybrid Perovskites Using Aggregationâ€Induced Enhanced Emission Active Organic Cation Layers. Advanced Functional Materials, 2020, 30, 1909375.	14.9	21
40	Laser ablation for pharmaceutical nanoformulations: Multi-drug nanoencapsulation and theranostics for HIV. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 25, 102172.	3.3	13
41	Elucidating the Role of the Organic Cation in Tuning the Optical Response of Two-Dimensional Organicâ€“Inorganic Halide Perovskites by Computational Investigation. Journal of Physical Chemistry C, 2020, 124, 3224-3232.	3.1	4
42	Two-dimensional MXenes: From morphological to optical, electric, and magnetic properties and applications. Physics Reports, 2020, 848, 1-58.	25.6	594
43	Laser-Ablative Synthesis of Isotope-Enriched Samarium Oxide Nanoparticles for Nuclear Nanomedicine. Nanomaterials, 2020, 10, 69.	4.1	13
44	Bacterial Synthesis of Ternary CdSAg Quantum Dots through Cation Exchange: Tuning the Composition and Properties of Biological Nanoparticles for Bioimaging and Photovoltaic Applications. Microorganisms, 2020, 8, 631.	3.6	28
45	Quasi-triply-degenerate states and zero refractive index in two-dimensional all-dielectric photonic crystals. Optics Express, 2020, 28, 5548.	3.4	6
46	Dynamically controlling local field enhancement at an epsilon-near-zero/dielectric interface via nonlinearities of an epsilon-near-zero medium. Nanophotonics, 2020, 9, 4831-4837.	6.0	10
47	Curcumin-Pluronic Nanoparticles: A Theranostic Nanoformulation for Alzheimer's Disease. Critical Reviews in Biomedical Engineering, 2020, 48, 153-168.	0.9	11
48	Coherent Raman spectroscopic imaging to characterize microglia activation pathway. Journal of Biophotonics, 2019, 12, e201800133.	2.3	6
49	Toward Single-Organelle Lipidomics in Live Cells. Analytical Chemistry, 2019, 91, 11380-11387.	6.5	20
50	Cellular transformations in nearâ€infrared lightâ€induced apoptosis in cancer cells revealed by labelâ€free CARS imaging. Journal of Biophotonics, 2019, 12, e201900179.	2.3	7
51	Neurovascular Coupling in the Dentate Gyrus Regulates Adult Hippocampal Neurogenesis. Neuron, 2019, 103, 878-890.e3.	8.1	47
52	Mechanism of stimulated Mie scattering: Light-induced redistribution of self-assembled nanospheres of two-photon absorbing chromophore. Journal of Chemical Physics, 2019, 151, 104202.	3.0	2
53	Boron-Nanoparticle-Loaded Folic-Acid-Functionalized Liposomes to Achieve Optimum Boron Concentration for Boron Neutron Capture Therapy of Cancer. Journal of Biomedical Nanotechnology, 2019, 15, 1714-1723.	1.1	30
54	Laser-Processed Nanosilicon: A Multifunctional Nanomaterial for Energy and Healthcare. ACS Nano, 2019, 13, 9841-9867.	14.6	90

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55	Manipulating Nonradiative Decay Channel by Intermolecular Charge Transfer for Exceptionally Improved Photothermal Conversion. ACS Nano, 2019, 13, 12006-12014.	14.6	84
56	Modulation of Surface Energy Transfer Cascade for Reversible Photoluminescence pH Sensing. Chemistry of Materials, 2019, 31, 8121-8128.	6.7	17
57	Cycles of protein condensation and discharge in nuclear organelles studied by fluorescence lifetime imaging. Nature Communications, 2019, 10, 455.	12.8	26
58	Stimuliâ€Responsive Reversible Switching of Intersystem Crossing in Pure Organic Material for Smart Photodynamic Therapy. Angewandte Chemie, 2019, 131, 11222-11228.	2.0	11
59	Stimuliâ€Responsive Reversible Switching of Intersystem Crossing in Pure Organic Material for Smart Photodynamic Therapy. Angewandte Chemie - International Edition, 2019, 58, 11105-11111.	13.8	72
60	Doubly resonant sum frequency spectroscopy of mixed photochromic isomers on surfaces reveals conformation-specific vibronic effects. Journal of Chemical Physics, 2019, 150, 114704.	3.0	20
61	Biocompatible and biodegradable inorganic nanostructures for nanomedicine: Silicon and black phosphorus. Nano Today, 2019, 25, 135-155.	11.9	240
62	Photonics and optoelectronics using nano-structured hybrid perovskite media and their optical cavities. Physics Reports, 2019, 795, 1-51.	25.6	303
63	Near-Infrared Irradiation Affects Lipid Metabolism in Neuronal Cells, Inducing Lipid Droplets Formation. ACS Chemical Neuroscience, 2019, 10, 1517-1523.	3.5	9
64	In vitro Pharmacokinetic Cell Culture System that Simulates Physiologic Drug and Nanoparticle Exposure to Macrophages. Pharmaceutical Research, 2019, 36, 44.	3.5	6
65	Broadband mid-infrared nonlinear optical modulator enabled by gold nanorods: towards the mid-infrared regime. Photonics Research, 2019, 7, 699.	7.0	19
66	Self-cleaning membranes for water purification by co-deposition of photo-mobile 4,4â€²-azodianiline and bio-adhesive polydopamine. Journal of Membrane Science, 2018, 554, 164-174.	8.2	35
67	ICGâ€Sensitized NaYF₄:Er Nanostructure for Theranostics. Advanced Optical Materials, 2018, 6, 1701142.	7.3	56
68	Interaction of Structured Light with a Chiral Plasmonic Metasurface: Giant Enhancement of Chiro-Optic Response. ACS Photonics, 2018, 5, 734-740.	6.6	27
69	Neuroprotective effects of a biodegradable poly(lactic-co-glycolic acid)-ginsenoside Rg3 nanoformulation: a potential nanotherapy for Alzheimerâ€™s disease?. Journal of Drug Targeting, 2018, 26, 182-193.	4.4	62
70	<scp>TiO₂</scp>â€coated fluoride nanoparticles for dental multimodal optical imaging. Journal of Biophotonics, 2018, 11, e201700029.	2.3	5
71	Optical Control of Biomimetic Nanoparticle Catalysts Based upon the Metal Component. Journal of Physical Chemistry C, 2018, 122, 28055-28064.	3.1	7
72	Multilevel Nanoarchitecture Exhibiting Biosensing for Cancer Diagnostics by Dual-Modal Switching of Optical and Magnetic Resonance Signals. ACS Applied Bio Materials, 2018, 1, 1505-1511.	4.6	13

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73	Optical Control of Nanoparticle Catalysis Influenced by Photoswitch Positioning in Hybrid Peptide Capping Ligands. ACS Applied Materials & Interfaces, 2018, 10, 33640-33651.	8.0	18
74	Organic Solvent and Surfactant Free Fluorescent Organic Nanoparticles by Laser Ablation of Aggregationâ€Induced Enhanced Emission Dyes. Advanced Optical Materials, 2018, 6, 1800164.	7.3	17
75	Dramatic Enhancement of Quantum Cutting in Lanthanide-Doped Nanocrystals Photosensitized with an Aggregation-Induced Enhanced Emission Dye. Nano Letters, 2018, 18, 4922-4926.	9.1	37
76	Gold-Small Interfering RNA as Optically Responsive Nanostructures for Cancer Theranostics. Journal of Biomedical Nanotechnology, 2018, 14, 809-828.	1.1	10
77	Polymer-assisted room-temperature synthesis of highly luminescent perovskite nanocrystals with superior water resistance for WLED. Materials Letters, 2018, 232, 138-141.	2.6	12
78	Heteroatom-Containing Organic Molecule for Two-Photon Fluorescence Lifetime Imaging and Photodynamic Therapy. Journal of Physical Chemistry C, 2018, 122, 20945-20951.	3.1	13
79	A coreâ€“multiple shell nanostructure enabling concurrent upconversion and quantum cutting for photon management. Nanoscale, 2017, 9, 1934-1941.	5.6	26
80	Subcellular Optogenetics Enacted by Targeted Nanotransformers of Near-Infrared Light. ACS Photonics, 2017, 4, 806-814.	6.6	52
81	Surfactant-stripped naphthalocyanines for multimodal tumor theranostics with upconversion guidance cream. Nanoscale, 2017, 9, 3391-3398.	5.6	38
82	Strong Stimulated Mie Scattering From Plasmonic CuS Nanocrystals in Toluene or Pentane. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 1-6.	2.9	2
83	Standardizing Size- and Shape-Controlled Synthesis of Monodisperse Magnetite (Fe₃O₄) Nanocrystals by Identifying and Exploiting Effects of Organic Impurities. ACS Nano, 2017, 11, 6370-6381.	14.6	107
84	Auâ€“Cu_{2â^'x}Se heterogeneous nanocrystals for efficient photothermal heating for cancer therapy. Journal of Materials Chemistry B, 2017, 5, 4934-4942.	5.8	35
85	Nd³⁺-Sensitized multicolor upconversion luminescence from a sandwiched core/shell/shell nanostructure. Nanoscale, 2017, 9, 10633-10638.	5.6	51
86	Lipid quantification by Raman microspectroscopy as a potential biomarker in prostate cancer. Cancer Letters, 2017, 397, 52-60.	7.2	37
87	Kuramite Cu₃SnS₄ and Mohite Cu₂SnS₃ Nanoplatelet Synthesis Using Covellite CuS Templates with Sn(II) and Sn(IV) Sources. Chemistry of Materials, 2017, 29, 3555-3562.	6.7	55
88	Nonlinear Photoacoustic Imaging by in Situ Multiphoton Upconversion and Energy Transfer. ACS Photonics, 2017, 4, 2699-2705.	6.6	22
89	Dopamine-mediated photothermal theranostics combined with up-conversion platform under near infrared light. Scientific Reports, 2017, 7, 13562.	3.3	37
90	Macromolecular Profiling of Organelles in Normal Diploid and Cancer Cells. Analytical Chemistry, 2017, 89, 10985-10990.	6.5	14

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91	Molecular profiling of single organelles for quantitative analysis of cellular heterogeneity. Scientific Reports, 2017, 7, 6512.	3.3	24
92	Interplay between structure and chiral properties of polyfluorene derivatives. Polymer, 2017, 132, 98-105.	3.8	8
93	Stable ICG-loaded upconversion nanoparticles: silica core/shell theranostic nanoplatform for dual-modal upconversion and photoacoustic imaging together with photothermal therapy. Scientific Reports, 2017, 7, 15753.	3.3	63
94	Halo-substituted azobenzenes adsorbed at Ag(111) and Au(111) interfaces: Structures and optical properties. Physical Review B, 2017, 95, .	3.2	2
95	Chiral polymer photonics. Optical Materials Express, 2017, 7, 2432.	3.0	12
96	Ramanomics: New Omics Disciplines Using Micro Raman Spectrometry with Biomolecular Component Analysis for Molecular Profiling of Biological Structures. Biosensors, 2017, 7, 52.	4.7	23
97	Pump spectral linewidth influence on stimulated Brillouin scattering (SBS) and stimulated Raman scattering (SRS) and selfâ€termination behavior of SRS in liquids. Annalen Der Physik, 2016, 528, 852-864.	2.4	11
98	Manganese-doped near-infrared emitting nanocrystals for in vivo biomedical imaging. Optics Express, 2016, 24, 17553.	3.4	10
99	Tunable Narrow Band Emissions from Dye-Sensitized Core/Shell/Shell Nanocrystals in the Second Near-Infrared Biological Window. Journal of the American Chemical Society, 2016, 138, 16192-16195.	13.7	314
100	Resonance Raman Probes for Organelle-Specific Labeling in Live Cells. Scientific Reports, 2016, 6, 28483.	3.3	33
101	Toward a modular multi-material nanoparticle synthesis and assembly strategy via bionanocombinatorics: bifunctional peptides for linking Au and Ag nanomaterials. Physical Chemistry Chemical Physics, 2016, 18, 30845-30856.	2.8	10
102	Twisted Thiophene-Based Chromophores with Enhanced Intramolecular Charge Transfer for Cooperative Amplification of Third-Order Optical Nonlinearity. Journal of the American Chemical Society, 2016, 138, 6975-6984.	13.7	102
103	Multifunctional Photonics Nanoparticles for Crossing the Bloodâ€“Brain Barrier and Effecting Optically Trackable Brain Theranostics. Advanced Functional Materials, 2016, 26, 7057-7066.	14.9	61
104	New Generation Cadmium-Free Quantum Dots for Biophotonics and Nanomedicine. Chemical Reviews, 2016, 116, 12234-12327.	47.7	482
105	Remote Optically Controlled Modulation of Catalytic Properties of Nanoparticles through Reconfiguration of the Inorganic/Organic Interface. ACS Nano, 2016, 10, 9470-9477.	14.6	58
106	Efficient Broadband Upconversion of Nearâ€Infrared Light in Dyeâ€Sensitized Core/Shell Nanocrystals. Advanced Optical Materials, 2016, 4, 1760-1766.	7.3	104
107	Manipulating Magneto-Optic Properties of a Chiral Polymer by Doping with Stable Organic Biradicals. Nano Letters, 2016, 16, 5451-5455.	9.1	30
108	In-situ second harmonic generation by cancer cell targeting ZnO nanocrystals to effect photodynamic action in subcellular space. Biomaterials, 2016, 104, 78-86.	11.4	25

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109	Molecular nonlinear optics: recent advances and applications. Advances in Optics and Photonics, 2016, 8, 328.	25.5	100
110	Alleviating Luminescence Concentration Quenching in Upconversion Nanoparticles through Organic Dye Sensitization. Journal of the American Chemical Society, 2016, 138, 15130-15133.	13.7	149
111	Nanochemistry and Nanomedicine for Nanoparticle-based Diagnostics and Therapy. Chemical Reviews, 2016, 116, 2826-2885.	47.7	1,201
112	Emerging nanomedicine approaches to targeting HIV-1 and antiretroviral therapy. Future Virology, 2016, 11, 101-104.	1.8	5
113	Plasmon-enhanced two-photon-induced isomerization for highly-localized light-based actuation of inorganic/organic interfaces. Nanoscale, 2016, 8, 4194-4202.	5.6	16
114	New fluorene-based chiral copolymers with unusually high optical activity in pristine and annealed thin films. RSC Advances, 2016, 6, 23879-23886.	3.6	18
115	Near-IR responsive nanostructures for nanobiophotonics: emerging impacts on nanomedicine. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 771-788.	3.3	45
116	Optical Actuation of Inorganic/Organic Interfaces: Comparing Peptide-Azobenzene Ligand Reconfiguration on Gold and Silver Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 1050-1060.	8.0	26
117	Chronic constriction injury-induced nociception is relieved by nanomedicine-mediated decrease of rat hippocampal tumor necrosis factor. Pain, 2015, 156, 1320-1333.	4.2	45
118	Single Cell Assay for Molecular Diagnostics and Medicine: Monitoring Intracellular Concentrations of Macromolecules by Two-photon Fluorescence Lifetime Imaging. Theranostics, 2015, 5, 919-930.	10.0	44
119	Well-defined diblock brush polymerâ€“drug conjugates for sustained delivery of paclitaxel. Biomaterials Science, 2015, 3, 1078-1084.	5.4	44
120	Fluctuations and synchrony of RNA synthesis in nucleoli. Integrative Biology (United Kingdom), 2015, 7, 681-692.	1.3	17
121	Organelle specific imaging in live cells and immuno-labeling using resonance Raman probe. Biomaterials, 2015, 53, 25-31.	11.4	41
122	Tuning upconversion through a sensitizer/activator-isolated NaYF₄ core/shell structure. Nanoscale, 2015, 7, 3976-3984.	5.6	57
123	Hexamodal Imaging with Porphyrinâ€Phospholipidâ€Coated Upconversion Nanoparticles. Advanced Materials, 2015, 27, 1785-1790.	21.0	189
124	Metaphotonics: An emerging field with opportunities and challenges. Physics Reports, 2015, 594, 1-60.	25.6	76
125	Triggering nanoparticle surface ligand rearrangement via external stimuli: light-based actuation of biointerfaces. Nanoscale, 2015, 7, 13638-13645.	5.6	26
126	Room-Temperature Synthesis of Covellite Nanoplatelets with Broadly Tunable Localized Surface Plasmon Resonance. Chemistry of Materials, 2015, 27, 2584-2590.	6.7	83

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127	Cooperative Coupling of Cyanine and Tictoid Twisted Ï€-Systems to Amplify Organic Chromophore Cubic Nonlinearities. Journal of the American Chemical Society, 2015, 137, 4622-4625.	13.7	51
128	Energy-Cascaded Upconversion in an Organic Dye-Sensitized Core/Shell Fluoride Nanocrystal. Nano Letters, 2015, 15, 7400-7407.	9.1	341
129	Development and characterization of a hexamodal imaging nanoparticle. , 2015, , .		0
130	Low-bandgap biophotonic nanoblend: A platform for systemic disease targeting and functional imaging. Biomaterials, 2015, 39, 225-233.	11.4	17
131	Light upconverting coreâ€“shell nanostructures: nanophotonic control for emerging applications. Chemical Society Reviews, 2015, 44, 1680-1713.	38.1	483
132	Lanthanideâ€Doped Fluoride Core/Multishell Nanoparticles for Broadband Upconversion of Infrared Light. Advanced Optical Materials, 2015, 3, 575-582.	7.3	50
133	A degradable brush polymerâ€“drug conjugate for pH-responsive release of doxorubicin. Polymer Chemistry, 2015, 6, 953-961.	3.9	85
134	Enhanced Upconversion Luminescence in Yb3+/Tm3+-Codoped Fluoride Active Core/Active Shell/Inert Shell Nanoparticles through Directed Energy Migration. Nanomaterials, 2014, 4, 55-68.	4.1	76
135	Direct three-photon excitation of upconversion random laser emission in a weakly scattering organic colloidal system. Optics Express, 2014, 22, 14305.	3.4	26
136	Ormosil nanoparticles as a sustained-release drug delivery vehicle. RSC Advances, 2014, 4, 53498-53504.	3.6	30
137	Multimodal nanoparticles that provide immunomodulation and intracellular drug delivery for infectious diseases. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 831-838.	3.3	68
138	Synthesis of pH-Responsive Chitosan Nanocapsules for the Controlled Delivery of Doxorubicin. Langmuir, 2014, 30, 4111-4119.	3.5	48
139	Biodegradable cationic polymeric nanocapsules for overcoming multidrug resistance and enabling drugâ€“gene co-delivery to cancer cells. Nanoscale, 2014, 6, 1567-1572.	5.6	101
140	Polylactide-graft-doxorubicin Nanoparticles with Precisely Controlled Drug Loading for pH-Triggered Drug Delivery. Biomacromolecules, 2014, 15, 524-532.	5.4	120
141	Enhanced upconversion emission in colloidal (NaYF_4:Er^3+)/NaYF_4â€‰â€‰core/shell nanoparticles excited at 1523Ânm. Optics Letters, 2014, 39, 1386.	3.3	51
142	Simultaneous Multiple Wavelength Upconversion in a Coreâ€“Shell Nanoparticle for Enhanced Near Infrared Light Harvesting in a Dye-Sensitized Solar Cell. ACS Applied Materials & Interfaces, 2014, 6, 18018-18025.	8.0	77
143	Changes in Biomolecular Profile in a Single Nucleolus during Cell Fixation. Analytical Chemistry, 2014, 86, 10909-10916.	6.5	31
144	Comparative Study of Materials-Binding Peptide Interactions with Gold and Silver Surfaces and Nanostructures: A Thermodynamic Basis for Biological Selectivity of Inorganic Materials. Chemistry of Materials, 2014, 26, 4960-4969.	6.7	118

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145	Hydrogels: Pd-Porphyrin-Cross-Linked Implantable Hydrogels with Oxygen-Responsive Phosphorescence (Adv. Healthcare Mater. 6/2014). Advanced Healthcare Materials, 2014, 3, 890-890.	7.6	0
146	Intense ultraviolet upconversion emission from water-dispersed colloidal YF₃:Yb³⁺/Tm³⁺rhombic nanodisks. Nanoscale, 2014, 6, 753-757.	5.6	52
147	Size-Tunable and Monodisperse Tm³⁺/Gd³⁺-Doped Hexagonal NaYbF₄ Nanoparticles with Engineered Efficient Near Infrared-to-Near Infrared Upconversion for In Vivo Imaging. ACS Applied Materials & Interfaces, 2014, 6, 13884-13893.	8.0	128
148	Pdâ€Porphyrinâ€Crossâ€Linked Implantable Hydrogels with Oxygenâ€Responsive Phosphorescence. Advanced Healthcare Materials, 2014, 3, 891-896.	7.6	46
149	Plasmonic Semiconductor Nanocrystals as Chemical Sensors: Pb2+ Quantitation via Aggregation-Induced Plasmon Resonance Shift. Plasmonics, 2014, 9, 893-898.	3.4	16
150	Manipulating Nanoscale Interactions in a Polymer Nanocomposite for Chiral Control of Linear and Nonlinear Optical Functions. Advanced Materials, 2014, 26, 1607-1611.	21.0	16
151	Peptide-mediated synthesis of gold nanoparticles: effects of peptide sequence and nature of binding on physicochemical properties. Nanoscale, 2014, 6, 3165-3172.	5.6	104
152	Upconversion Nanoparticles: Design, Nanochemistry, and Applications in Theranostics. Chemical Reviews, 2014, 114, 5161-5214.	47.7	2,163
153	Nanochemistry and nanomaterials for photovoltaics. Chemical Society Reviews, 2013, 42, 8304.	38.1	269
154	Polarimetric zâ€Scan Study of Nonlinear Chirooptic Properties of Chiral Polyfluorene. Advanced Optical Materials, 2013, 1, 763-767.	7.3	16
155	Assessing Clinical Prospects of Silicon Quantum Dots: Studies in Mice and Monkeys. ACS Nano, 2013, 7, 7303-7310.	14.6	183
156	Design and Synthesis of Polymers for Chiral Photonics. Macromolecules, 2013, 46, 7158-7165.	4.8	44
157	Fluorogenic, Two-Photon-Triggered Photoclick Chemistry in Live Mammalian Cells. Journal of the American Chemical Society, 2013, 135, 16766-16769.	13.7	142
158	Coupled plasmons induce broadband circular dichroism in patternable films of silver nanoparticles with chiral ligands. Nanoscale, 2013, 5, 10550.	5.6	16
159	Phospholipid micelle-based magneto-plasmonic nanoformulation for magnetic field-directed, imaging-guided photo-induced cancer therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 1192-1202.	3.3	26
160	On-Demand Hydrogen Generation using Nanosilicon: Splitting Water without Light, Heat, or Electricity. Nano Letters, 2013, 13, 451-456.	9.1	154
161	Well-Defined Degradable Brush Polymerâ€“Drug Conjugates for Sustained Delivery of Paclitaxel. Molecular Pharmaceutics, 2013, 10, 867-874.	4.6	108
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