Qing-Hua Xu

List of Publications by Year in Descending Order

243 papers	13,256 citations	66 h-index	104 g-index
258 ext. papers	14,887 ext. citations	8.3 avg, IF	6.63 L-index

#	Paper	IF	Citations
243	Tailoring the coercive field in ferroelectric metal-free perovskites by hydrogen bonding.. *Nature Communications*, **2022**, 13, 794	17.4	3
242	Strong red upconversion luminescence and optical thermometry of Yb3+/Er3+ Co-doped Ba2ScAlO5 phosphor. *Journal of Alloys and Compounds*, **2022**, 895, 162692	5.7	4
241	Extended Conjugated Polymer Acceptor Containing Thienylene Vinylene Thienylene Unit for High-Performance Thick-Film All-Polymer Solar Cells with Superior Long-Term Stability. *Advanced Energy Materials*, **2021**, 11, 2102559	21.8	23
240	Single-particle studies on plasmon enhanced photoluminescence of monolayer MoS by gold nanoparticles of different shapes.. *Journal of Chemical Physics*, **2021**, 155, 234201	3.9	1
239	High-Yield Exfoliation of Monolayer 1T'-MoTe as Saturable Absorber for Ultrafast Photonics. *ACS Nano*, **2021**,	16.7	5
238	Nonhalogenated-Solvent-Processed High-Performance All-Polymer Solar Cell with Efficiency over 14%. *Solar Rrl*, **2021**, 5, 2100076	7.1	10
237	Multifunctional Properties of a Zn(II) Coordination Complex. *Crystal Growth and Design*, **2021**, 21, 3401-3408	3.9	4
236	In Situ Synthesis of Lead-Free Halide Perovskite CsAgBiBr Supported on Nitrogen-Doped Carbon for Efficient Hydrogen Evolution in Aqueous HBr Solution. *ACS Applied Materials & Interfaces*, **2021**, 13, 10037-10046	9.5	18
235	Homogeneous Carbon/Potassium-Incorporation Strategy for Synthesizing Red Polymeric Carbon Nitride Capable of Near-Infrared Photocatalytic H Production. *Advanced Materials*, **2021**, 33, e2101455	24	30
234	Dual Blue Emission in Ruddlesden Popper Lead-Bromide Perovskites Induced by Photon Recycling. *Journal of Physical Chemistry C*, **2021**, 125, 18308-18316	3.8	2
233	Band Nesting Bypass in WS Monolayers Fster Resonance Energy Transfer. *ACS Nano*, **2020**, 14, 5946-5955	16.7	4
232	Synthesis of Two-Dimensional Perovskite by Inverse Temperature Crystallization and Studies of Exciton States by Two-Photon Excitation Spectroscopy. *Advanced Functional Materials*, **2020**, 30, 2002661	15.6	9
231	Two-Photon Absorption of Butterfly-Shaped Carbonyl-Bridged Twistarene. *Asian Journal of Organic Chemistry*, **2020**, 9, 579-583	3	2
230	Photoluminescence Mechanisms of All-Inorganic Cesium Lead Bromide Perovskites Revealed by Single Particle Spectroscopy. *ChemNanoMat*, **2020**, 6, 327-335	3.5	11
229	One-Step Photocontrolled Polymerization-Induced Self-Assembly (Photo-PISA) by Using In Situ Bromine-Iodine Transformation Reversible-Deactivation Radical Polymerization. *Polymers*, **2020**, 12,	4.5	5
228	Giant Emission Enhancement of Solid-State Gold Nanoclusters by Surface Engineering. *Angewandte Chemie*, **2020**, 132, 8347-8353	3.6	7
227	Designing Sub-2 nm Organosilica Nanohybrids for Far-Field Super-Resolution Imaging. *Angewandte Chemie*, **2020**, 132, 756-761	3.6	2

226	Designing Sub-2 nm Organosilica Nanohybrids for Far-Field Super-Resolution Imaging. *Angewandte Chemie - International Edition*, **2020**, 59, 746-751	16.4	16
225	AIE-active polysulfates via a sulfur(VI) fluoride exchange (SuFEx) click reaction and investigation of their two-photon fluorescence and cyanide detection in water and in living cells. *Polymer Chemistry*, **2020**, 11, 1033-1042	4.9	12
224	Aggregation of Metal-Nanoparticle-Induced Fluorescence Enhancement and Its Application in Sensing. *ACS Omega*, **2020**, 5, 41-48	3.9	11
223	Self-Powered Photodetector Using Two-Dimensional Ferroelectric Dion-Jacobson Hybrid Perovskites. *Journal of the American Chemical Society*, **2020**, 142, 18592-18598	16.4	35
222	Photocatalytic Hydrogen Evolution: Photocatalytic Hydrogen Evolution under Ambient Conditions on Polymeric Carbon Nitride/Donor-Acceptor Organic Molecule Heterostructures (Adv. Funct. Mater. 43/2020). *Advanced Functional Materials*, **2020**, 30, 2070288	15.6	3
221	Photocatalytic Hydrogen Evolution under Ambient Conditions on Polymeric Carbon Nitride/Donor-Acceptor Organic Molecule Heterostructures. *Advanced Functional Materials*, **2020**, 30, 2005106	15.6	18
220	Giant Enhancement of Second Harmonic Generation Accompanied by the Structural Transformation of 7-Fold to 8-Fold Interpenetrated Metal-Organic Frameworks (MOFs). *Angewandte Chemie - International Edition*, **2020**, 59, 833-838	16.4	33
219	Aggregation-Induced Plasmon Coupling-Enhanced One- and Two-Photon Excitation Fluorescence by Silver Nanoparticles. *Langmuir*, **2020**, 36, 4721-4727	4	6
218	Giant Emission Enhancement of Solid-State Gold Nanoclusters by Surface Engineering. *Angewandte Chemie - International Edition*, **2020**, 59, 8270-8276	16.4	28
217	High-performance and stable CsPbBr light-emitting diodes based on polymer additive treatment.. *RSC Advances*, **2019**, 9, 27684-27691	3.7	17
216	Aggregation induced emission enhancement by plasmon coupling of noble metal nanoparticles. *Materials Chemistry Frontiers*, **2019**, 3, 2421-2427	7.8	10
215	Ferroelectricity and Rashba Effect in a Two-Dimensional Dion-Jacobson Hybrid Organic-Inorganic Perovskite. *Journal of the American Chemical Society*, **2019**, 141, 15972-15976	16.4	65
214	Gold nanorod enhanced conjugated polymer/photosensitizer composite nanoparticles for simultaneous two-photon excitation fluorescence imaging and photodynamic therapy. *Nanoscale*, **2019**, 11, 19551-19560	7.7	31
213	Highly stable enhanced near-infrared amplified spontaneous emission in solution-processed perovskite films by employing polymer and gold nanorods. *Nanoscale*, **2019**, 11, 1959-1967	7.7	19
212	Enhancement in the photovoltaic performance of planar perovskite solar cells by perovskite cluster engineering using an interfacial energy modifier. *Nanoscale*, **2019**, 11, 3216-3221	7.7	9
211	Thermally evaporated two-dimensional SnS as an efficient and stable electron collection interlayer for inverted planar perovskite solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 4759-4765	13	12
210	The photoluminescence mechanism of CsPbBr microplates revealed by spatially resolved single particle spectroscopy. *Nanoscale*, **2019**, 11, 3186-3192	7.7	30
209	Controlled Aqueous Synthesis of 2D Hybrid Perovskites with Bright Room-Temperature Long-Lived Luminescence. *Journal of Physical Chemistry Letters*, **2019**, 10, 2869-2873	6.4	24

208	An efficient binary cathode interlayer for large-bandgap non-fullerene organic solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 12426-12433	13	15
207	Titelbild: Disorder Engineering in Monolayer Nanosheets Enabling Photothermic Catalysis for Full Solar Spectrum (250–2500 nm) Harvesting (Angew. Chem. 10/2019). *Angewandte Chemie*, **2019**, 131, 2933-2933	3.6	
206	20.7% highly reproducible inverted planar perovskite solar cells with enhanced fill factor and eliminated hysteresis. *Energy and Environmental Science*, **2019**, 12, 1622-1633	35.4	134
205	New Family of Plasmonic Photocatalysts without Noble Metals. *Chemistry of Materials*, **2019**, 31, 2320-2327	9.0	17
204	Photo-Controlled Polymerization-Induced Self-Assembly (Photo-PISA): A Novel Strategy Using In Situ Bromine-Iodine Transformation Living Radical Polymerization. *Macromolecular Rapid Communications*, **2019**, 40, e1800327	4.8	22
203	Highly Stable Two-Dimensional Tin(II) Iodide Hybrid Organic–Inorganic Perovskite Based on Stilbene Derivative. *Advanced Functional Materials*, **2019**, 29, 1904810	15.6	36
202	Gate-Tunable In-Plane Ferroelectricity in Few-Layer SnS. *Nano Letters*, **2019**, 19, 5109-5117	11.5	80
201	Gold nanorod-enhanced two-photon excitation fluorescence of conjugated oligomers for two-photon imaging guided photodynamic therapy. *Journal of Materials Chemistry C*, **2019**, 7, 14693-14700	7.1	14
200	Simultaneous Imaging and Selective Photothermal Therapy through Aptamer-Driven Au Nanosphere Clustering. *Journal of Physical Chemistry Letters*, **2019**, 10, 183-188	6.4	14
199	In situ growth of α-FeO@CoO core-shell wormlike nanoarrays for a highly efficient photoelectrochemical water oxidation reaction. *Nanoscale*, **2019**, 11, 1111-1122	7.7	13
198	Disorder Engineering in Monolayer Nanosheets Enabling Photothermic Catalysis for Full Solar Spectrum (250–2500 nm) Harvesting. *Angewandte Chemie*, **2019**, 131, 3109-3113	3.6	8
197	Disorder Engineering in Monolayer Nanosheets Enabling Photothermic Catalysis for Full Solar Spectrum (250-2500 nm) Harvesting. *Angewandte Chemie - International Edition*, **2019**, 58, 3077-3081	16.4	61
196	Red emitting conjugated polymer based nanophotosensitizers for selectively targeted two-photon excitation imaging guided photodynamic therapy. *Nanoscale*, **2018**, 11, 185-192	7.7	18
195	Templating nanotraffic light – dynamic tricoloured blinking silver nanoclusters on a graphene oxide film. *Journal of Materials Chemistry C*, **2018**, 6, 4641-4648	7.1	8
194	Vapour-liquid-solid growth of monolayer MoS nanoribbons. *Nature Materials*, **2018**, 17, 535-542	27	185
193	Metal Nanoparticles for Diagnosis and Therapy of Bacterial Infection. *Advanced Healthcare Materials*, **2018**, 7, e1701392	10.1	92
192	Conjugated Polymers for Two-Photon Live Cell Imaging **2018**, 135-170		1
191	Enhancement of Two-Photon Fluorescence and Low Threshold Amplification of Spontaneous Emission of Zn-processed CuInS2 Quantum Dots. *ACS Photonics*, **2018**, 5, 1310-1317	6.3	9

190	Controllable deuteration of halogenated compounds by photocatalytic DO splitting. *Nature Communications*, **2018**, 9, 80	17.4	88
189	Alkali Salt-Doped Highly Transparent and Thickness-Insensitive Electron-Transport Layer for High-Performance Polymer Solar Cell. *ACS Applied Materials & Interfaces*, **2018**, 10, 1939-1947	9.5	16
188	Selectively Plasmon-Enhanced Second-Harmonic Generation from Monolayer Tungsten Diselenide on Flexible Substrates. *ACS Nano*, **2018**, 12, 1859-1867	16.7	58
187	Inverse Stellation of CuAu-ZnO Multimetallic-Semiconductor Nanostartube for Plasmon-Enhanced Photocatalysis. *ACS Nano*, **2018**, 12, 4512-4520	16.7	47
186	Ultrafast carrier dynamics and third-order nonlinear optical properties of AgInS/ZnS nanocrystals. *Nanotechnology*, **2018**, 29, 255703	3.4	10
185	Au Nanorod/ZnO Core–Shell Nanoparticles as Nano-Photosensitizers for Near-Infrared Light-Induced Singlet Oxygen Generation. *Journal of Physical Chemistry C*, **2018**, 122, 7824-7830	3.8	21
184	Investigation on the structural, morphological, electronic and photovoltaic properties of a perovskite thin film by introducing lithium halide.. *RSC Advances*, **2018**, 8, 11455-11461	3.7	4
183	Polyfluorene based conjugated polymer nanoparticles for two-photon live cell imaging. *Science China Chemistry*, **2018**, 61, 88-96	7.9	19
182	Pyrrolopyrrole aza boron dipyrromethene based two-photon fluorescent probes for subcellular imaging. *Journal of Materials Chemistry B*, **2018**, 6, 5570-5581	7.3	9
181	Tuneable near white-emissive two-dimensional covalent organic frameworks. *Nature Communications*, **2018**, 9, 2335	17.4	159
180	Two-Photon Photoluminescence and Photothermal Properties of Hollow Gold Nanospheres for Efficient Theranostic Applications. *Journal of Physical Chemistry C*, **2018**, 122, 13304-13313	3.8	8
179	Polymer-Assisted In Situ Growth of All-Inorganic Perovskite Nanocrystal Film for Efficient and Stable Pure-Red Light-Emitting Devices. *ACS Applied Materials & Interfaces*, **2018**, 10, 42564-42572	9.5	62
178	Single-Particle Spectroscopic Studies on Two-Photon Photoluminescence of Coupled Au Nanorod Dimers. *Journal of Physical Chemistry C*, **2018**, 122, 23102-23110	3.8	8
177	Molecularly thin two-dimensional hybrid perovskites with tunable optoelectronic properties due to reversible surface relaxation. *Nature Materials*, **2018**, 17, 908-914	27	207
176	Elucidating Surface and Bulk Emission in 3D Hybrid Organic–Inorganic Lead Bromide Perovskites. *Advanced Optical Materials*, **2018**, 6, 1800470	8.1	18
175	Plasmon-Enhanced Fluorescence in Coupled Nanostructures and Applications in DNA Detection. *ACS Applied Bio Materials*, **2018**, 1, 118-124	4.1	26
174	An Au NP doped buffer layer in a slab waveguide for enhancement of organic amplified spontaneous emission. *Journal of Materials Chemistry C*, **2017**, 5, 1356-1362	7.1	2
173	Self-surface charge exfoliation and electrostatically coordinated 2D hetero-layered hybrids. *Nature Communications*, **2017**, 8, 14224	17.4	243

172	Size-dependent nonlinear optical properties of black phosphorus nanosheets and their applications in ultrafast photonics. *Journal of Materials Chemistry C*, **2017**, 5, 3007-3013	7.1	121
171	Electrostatically self-assembled chitosan derivatives working as efficient cathode interlayers for organic solar cells. *Nano Energy*, **2017**, 34, 164-171	17.1	28
170	Electron transport and visible light absorption in a plasmonic photocatalyst based on strontium niobate. *Nature Communications*, **2017**, 8, 15070	17.4	48
169	Visible-light-induced living radical polymerization using in situ bromine-iodine transformation as an internal boost. *Polymer Chemistry*, **2017**, 8, 2538-2551	4.9	31
168	Plasmon-Enhanced Two-Photon Excitation Fluorescence and Biomedical Applications **2017**, 211-225		4
167	Flower-like Au/Ag/TiO2 nanocomposites with enhanced photocatalytic efficiency under visible light irradiation. *Science China Chemistry*, **2017**, 60, 521-527	7.9	6
166	Bose□Einstein oscillators and the excitation mechanism of free excitons in 2D layered organic□inorganic perovskites. *RSC Advances*, **2017**, 7, 18366-18373	3.7	7
165	Ultrathin two-dimensional porous organic nanosheets with molecular rotors for chemical sensing. *Nature Communications*, **2017**, 8, 1142	17.4	119
164	Photoinduced Nickel-Catalyzed Chemo- and Regioselective Hydroalkylation of Internal Alkynes with Ether and Amide □Hetero C(sp)-H Bonds. *Journal of the American Chemical Society*, **2017**, 139, 13579-13584	16.4	114
163	Enhanced planar heterojunction perovskite solar cell performance and stability using PDDA polyelectrolyte capping agent. *Solar Energy Materials and Solar Cells*, **2017**, 172, 133-139	6.4	18
162	Two-Photon Excitation of Gold Nanorods Interrupted by Extremely Fast Solvent-to-Metal Electron Transfer. *Journal of Physical Chemistry C*, **2017**, 121, 28546-28555	3.8	3
161	Ultrathin nickel boron oxide nanosheets assembled vertically on graphene: a new hybrid 2D material for enhanced photo/electro-catalysis. *Materials Horizons*, **2017**, 4, 885-894	14.4	90
160	Spontaneous Electroless Galvanic Cell Deposition of 3D Hierarchical and Interlaced S-M-S Heterostructures. *Advanced Materials*, **2017**, 29, 1604417	24	15
159	Au-Ag core-shell nanoparticles for simultaneous bacterial imaging and synergistic antibacterial activity. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2017**, 13, 297-305	6	55
158	Tunable Broadband Nonlinear Optical Properties of Black Phosphorus Quantum Dots for Femtosecond Laser Pulses. *Materials*, **2017**, 10,	3.5	51
157	Gold nanorings synthesized via a stress-driven collapse and etching mechanism. *NPG Asia Materials*, **2016**, 8, e323-e323	10.3	15
156	Lighting up the gold nanoparticles quenched fluorescence by silver nanoparticles: a separation distance study. *RSC Advances*, **2016**, 6, 58566-58572	3.7	19
155	Highly sensitive and selective two-photon sensing of cartap using Au@Ag core-shell nanoparticles. *Science China Chemistry*, **2016**, 59, 78-82	7.9	15

154	Nanoprecipitation of Fluorescent Conjugated Polymer onto the Surface of Plasmonic Nanoparticle for Fluorescence/Dark-Field Dual-Modality Single Particle Imaging. *Analytical Chemistry*, **2016**, 88, 6827-35	7.8	22
153	Boosting the performance of planar heterojunction perovskite solar cell by controlling the precursor purity of perovskite materials. *Journal of Materials Chemistry A*, **2016**, 4, 887-893	13	117
152	Simulation of fluorescence enhancement by an AFM tip on a gold particle quenched emitter. *Applied Optics*, **2016**, 55, 8722-8726	0.2	1
151	A Simple BODIPY-Based Viscosity Probe for Imaging of Cellular Viscosity in Live Cells. *Sensors*, **2016**, 16,	3.8	44
150	Actively Tunable Visible Surface Plasmons in Bi2 Te3 and their Energy-Harvesting Applications. *Advanced Materials*, **2016**, 28, 3138-44	24	53
149	High performance planar perovskite solar cells with a perovskite of mixed organic cations and mixed halides, MA1 FAxPbI3 Cly. *Journal of Materials Chemistry A*, **2016**, 4, 12543-12553	13	57
148	Two-Photon Enzymatic Probes Visualizing Sub-cellular/Deep-brain Caspase Activities in Neurodegenerative Models. *Scientific Reports*, **2016**, 6, 26385	4.9	8
147	Enhancing the planar heterojunction perovskite solar cell performance through tuning the precursor ratio. *Journal of Materials Chemistry A*, **2016**, 4, 7943-7949	13	79
146	Single Particle Studies on Two-Photon Photoluminescence of Gold Nanorod Nanosphere Heterodimers. *Journal of Physical Chemistry C*, **2016**, 120, 11621-11630	3.8	20
145	Variations in the 5D0 -7F0 transitions of Eu3+ and white light emissions in Ag Eu exchanged zeolite-Y. *RSC Advances*, **2016**, 6, 95925-95935	3.7	10
144	Elucidating the charge carrier transport and extraction in planar heterojunction perovskite solar cells by Kelvin probe force microscopy. *Journal of Materials Chemistry A*, **2016**, 4, 17464-17472	13	38
143	Enhancing the photovoltaic performance of planar heterojunction perovskite solar cells by doping the perovskite layer with alkali metal ions. *Journal of Materials Chemistry A*, **2016**, 4, 16546-16552	13	119
142	Interface studies of the planar heterojunction perovskite solar cells. *Solar Energy Materials and Solar Cells*, **2016**, 157, 783-790	6.4	38
141	Self-Template Synthesis of Porous Perovskite Titanate Solid and Hollow Submicrospheres for Photocatalytic Oxygen Evolution and Mesoscopic Solar Cells. *ACS Applied Materials & Interfaces*, **2015**, 7, 14859-69	9.5	55
140	Controlled preparation of Au/Ag/SnO2 core-shell nanoparticles using a photochemical method and applications in LSPR based sensing. *Nanoscale*, **2015**, 7, 9025-32	7.7	25
139	Fast Charge Separation at Semiconductor Sensitizer Molecular Relay Interface Leads to Significantly Enhanced Solar Cell Performance. *Journal of Physical Chemistry C*, **2015**, 119, 9774-9781	3.8	14
138	Plasmon-enhanced light harvesting: applications in enhanced photocatalysis, photodynamic therapy and photovoltaics. *RSC Advances*, **2015**, 5, 29076-29097	3.7	163
137	Plasmon coupling-enhanced two-photon photoluminescence of Au@Ag core-shell nanoparticles and applications in the nuclease assay. *Nanoscale*, **2015**, 7, 10233-9	7.7	30

136	Development of targetable two-photon fluorescent probes to image hypochlorous Acid in mitochondria and lysosome in live cell and inflamed mouse model. *Journal of the American Chemical Society*, **2015**, 137, 5930-8	16.4	394
135	Red-emitting DPSB-based conjugated polymer nanoparticles with high two-photon brightness for cell membrane imaging. *ACS Applied Materials & Interfaces*, **2015**, 7, 6754-63	9.5	44
134	Ultralow-threshold multiphoton-pumped lasing from colloidal nanoplatelets in solution. *Nature Communications*, **2015**, 6, 8513	17.4	84
133	Flexible, robust and highly efficient broadband nonlinear optical materials based on graphene oxide impregnated polymer sheets. *Photonics Research*, **2015**, 3, A87	6	17
132	4-Diphenylamino-phenyl substituted pyrazine: nonlinear optical switching by protonation. *Journal of Materials Chemistry C*, **2015**, 3, 9191-9196	7.1	77
131	Highly efficient, conjugated-polymer-based nano-photosensitizers for selectively targeted two-photon photodynamic therapy and imaging of cancer cells. *Chemistry - A European Journal*, **2015**, 21, 2214-21	4.8	46
130	Photoactive PDI-cobalt complex immobilized on reduced graphene oxide for photoelectrochemical water splitting. *ACS Applied Materials & Interfaces*, **2015**, 7, 880-6	9.5	34
129	Graphene Nanobubbles: A New Optical Nonlinear Material. *Advanced Optical Materials*, **2015**, 3, 744-749	8.1	44
128	Alloyed ZnS-CuInS2 Semiconductor Nanorods and Their Nanoscale Heterostructures for Visible-Light-Driven Photocatalytic Hydrogen Generation. *Chemistry - A European Journal*, **2015**, 21, 9514-9	4.8	39
127	Towards meso-Ester BODIPYs with Aggregation-Induced Emission Properties: The Effect of Substitution Positions. *Chemistry - an Asian Journal*, **2015**, 10, 1631-4	4.5	34
126	Synthesis and Morphology of Two Carbazole-Pyrazoline-Containing Polymer Systems and Their Electrical Memory Performance. *ChemPlusChem*, **2015**, 80, 1354-1362	2.8	3
125	Single-Particle Spectroscopic Study on Fluorescence Enhancement by Plasmon Coupled Gold Nanorod Dimers Assembled on DNA Origami. *Journal of Physical Chemistry Letters*, **2015**, 6, 2043-9	6.4	59
124	Plasmon-coupled gold nanospheres for two-photon imaging and photoantibacterial activity. *Advanced Healthcare Materials*, **2015**, 4, 674-8	10.1	20
123	Production of Monodisperse Gold Nanobipyramids with Number Percentages Approaching 100% and Evaluation of Their Plasmonic Properties. *Advanced Optical Materials*, **2015**, 3, 801-812	8.1	163
122	Mesoporous SnO2-coated metal nanoparticles with enhanced catalytic efficiency. *ACS Applied Materials & Interfaces*, **2015**, 7, 4844-50	9.5	42
121	Colloidal nanocrystals of orthorhombic Cu2ZnGeS4: phase-controlled synthesis, formation mechanism and photocatalytic behavior. *Nanoscale*, **2015**, 7, 3247-53	7.7	36
120	Study of Linear and Nonlinear Optical Properties of Four Derivatives of Substituted Aryl Hydrazones of 1,8-Naphthalimide. *Chinese Journal of Chemistry*, **2014**, 32, 205-211	4.9	9
119	Gold nanorod enhanced two-photon excitation fluorescence of photosensitizers for two-photon imaging and photodynamic therapy. *ACS Applied Materials & Interfaces*, **2014**, 6, 2700-8	9.5	126

118	Optical sensing of biological, chemical and ionic species through aggregation of plasmonic nanoparticles. *Journal of Materials Chemistry C*, **2014**, 2, 7460	7.1	177
117	Colloidal synthesis and photocatalytic properties of orthorhombic AgGaS2 nanocrystals. *Chemical Communications*, **2014**, 50, 7128-31	5.8	39
116	Fine structural tuning of whereabout and clustering of metal-metal oxide heterostructure for optimal photocatalytic enhancement and stability. *Nanoscale*, **2014**, 6, 12655-64	7.7	18
115	Shape-Dependent Two-Photon Photoluminescence of Single Gold Nanoparticles. *Journal of Physical Chemistry C*, **2014**, 118, 13904-13911	3.8	84
114	Probing silver deposition on single gold nanorods by their acoustic vibrations. *Nano Letters*, **2014**, 14, 915-22	11.5	34
113	Conjugated-polymer-based red-emitting nanoparticles for two-photon excitation cell imaging with high contrast. *Langmuir*, **2014**, 30, 7623-7	4	46
112	Tuning two-photon photoluminescence of gold nanoparticle aggregates with DNA and its application as turn-on photoluminescence probe for DNA sequence detection. *ACS Applied Materials & Interfaces*, **2014**, 6, 13149-56	9.5	29
111	A sensitive two-photon probe to selectively detect monoamine oxidase B activity in Parkinson's disease models. *Nature Communications*, **2014**, 5, 3276	17.4	151
110	A Small-Molecule FRET Reporter for the Real-Time Visualization of Cell-Surface Proteolytic Enzyme Functions. *Angewandte Chemie*, **2014**, 126, 14585-14590	3.6	21
109	A small-molecule FRET reporter for the real-time visualization of cell-surface proteolytic enzyme functions. *Angewandte Chemie - International Edition*, **2014**, 53, 14357-62	16.4	51
108	Tuning Optical Nonlinearity of Laser-Ablation-Synthesized Silicon Nanoparticles via Doping Concentration. *Journal of Nanomaterials*, **2014**, 2014, 1-7	3.2	5
107	Damping of acoustic vibrations of immobilized single gold nanorods in different environments. *Nano Letters*, **2013**, 13, 2710-6	11.5	74
106	Mechanistic investigation of photon upconversion in Nd(3+)-sensitized core-shell nanoparticles. *Journal of the American Chemical Society*, **2013**, 135, 12608-11	16.4	591
105	Solvent-dependent two-photon photoluminescence and excitation dynamics of gold nanorods. *Journal of Physical Chemistry B*, **2013**, 117, 15576-83	3.4	22
104	Highly sensitive two-photon sensing of thrombin in serum using aptamers and silver nanoparticles. *ACS Applied Materials & Interfaces*, **2013**, 5, 10853-7	9.5	36
103	Excitation Nature of Two-Photon Photoluminescence of Gold Nanorods and Coupled Gold Nanoparticles Studied by Two-Pulse Emission Modulation Spectroscopy. *Journal of Physical Chemistry Letters*, **2013**, 4, 1634-8	6.4	69
102	Correlating the plasmonic and structural evolutions during the sulfidation of silver nanocubes. *ACS Nano*, **2013**, 7, 9354-65	16.7	52
101	A Switchable Two-Photon Membrane Tracer Capable of Imaging Membrane-Associated Protein Tyrosine Phosphatase Activities. *Angewandte Chemie*, **2013**, 125, 442-446	3.6	20

100	A switchable two-photon membrane tracer capable of imaging membrane-associated protein tyrosine phosphatase activities. *Angewandte Chemie - International Edition*, **2013**, 52, 424-8	16.4	75
99	Capping-agent-free synthesis of substrate-supported porous icosahedral gold nanoparticles. *Nanoscale*, **2013**, 5, 2983-9	7.7	7
98	The AIEE effect and two-photon absorption (TPA) enhancement induced by polymerization: synthesis of a monomer with ICT and AIE effects and its homopolymer by ATRP and a study of their photophysical properties. *Journal of Materials Chemistry C*, **2013**, 1, 2599	7.1	60
97	TiO2 coated Au/Ag nanorods with enhanced photocatalytic activity under visible light irradiation. *Nanoscale*, **2013**, 5, 4236-41	7.7	163
96	Huge enhancement in two-photon photoluminescence of Au nanoparticle clusters revealed by single-particle spectroscopy. *Journal of the American Chemical Society*, **2013**, 135, 7272-7	16.4	88
95	Facile noninjection synthesis and photocatalytic properties of wurtzite-phase CuGaS2 nanocrystals with elongated morphologies. *CrystEngComm*, **2013**, 15, 5214	3.3	53
94	Two-photon induced photoluminescence and singlet oxygen generation from aggregated gold nanoparticles. *ACS Applied Materials & Interfaces*, **2013**, 5, 4972-7	9.5	52
93	Water-Soluble Conjugated Polymers for Simultaneous Two-Photon Cell Imaging and Two-Photon Photodynamic Therapy. *Advanced Optical Materials*, **2013**, 1, 92-99	8.1	48
92	Colloidal nanocrystals of wurtzite-type Cu2ZnSnS4: facile noninjection synthesis and formation mechanism. *Chemistry - A European Journal*, **2012**, 18, 3127-31	4.8	130
91	Gold nanorods as dual photo-sensitizing and imaging agents for two-photon photodynamic therapy. *Nanoscale*, **2012**, 4, 7712-9	7.7	150
90	Enhanced optical properties of graphene oxide-Au nanocrystal composites. *Langmuir*, **2012**, 28, 321-6	4	65
89	Band-selective coupling-induced enhancement of two-photon photoluminescence in gold nanocubes and its application as turn-on fluorescent probes for cysteine and glutathione. *ACS Applied Materials & Interfaces*, **2012**, 4, 5711-6	9.5	49
88	Plasmon-enhanced photocatalytic properties of Cu2O nanowire-Au nanoparticle assemblies. *Langmuir*, **2012**, 28, 12304-10	4	128
87	Graphene Oxides as Tunable Broadband Nonlinear Optical Materials for Femtosecond Laser Pulses. *Journal of Physical Chemistry Letters*, **2012**, 3, 785-90	6.4	175
86	Organelle-specific detection of phosphatase activities with two-photon fluorogenic probes in cells and tissues. *Journal of the American Chemical Society*, **2012**, 134, 12157-67	16.4	140
85	Graphene Oxide-Polythiophene Hybrid with Broad-Band Absorption and Photocatalytic Properties. *Journal of Physical Chemistry Letters*, **2012**, 3, 2332-6	6.4	53
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