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Generating heat with metal nanoparticles

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1075	Preparation and characterization of complexes of liposomes with gold nanoparticles. 2008 , 66, 246-52		52
1074	Gold nanoparticle assemblies: Thermal behaviour under optical excitation. 2008, 41, 105-115		33
1073	Nanophotothermolysis of Poly-(vinyl) Alcohol Capped Silver Particles. 2008, 3, 164-167		16
1072	Nanoparticle-modified polyelectrolyte capsules. <i>Nano Today</i> , 2008 , 3, 12-21	17.9	87
1071	Temperature effects on the optical properties of thiol encapsulated gold nanoparticle thin films. 2008 , 321, 285-291		6
1070	Growth mechanism, shape and composition control of semiconductor nanocrystals. 2008, 1-34		3
1069	Effect of Local Heating on the SERS Efficiency of Optically Trapped Prismatic Nanoparticles. 2008 , 112, 11751-11757		29
1068	Pyramids: a platform for designing multifunctional plasmonic particles. 2008, 41, 1762-71		51
1067	Mechanistic study of photomediated triangular silver nanoprism growth. 2008, 130, 8337-44		330
1066	Photothermal properties of gold nanoparticles under exposure to high optical energies. 2008 , 19, 3557	02	58
1065	Plasmon-Enhanced Emission in Gold Nanoparticle Aggregates. 2008, 112, 3103-3108		25
1064	Experimental analysis of recoil effects induced by fluorescence photons. 2009 , 80, 046602		2
1063	Thermal Transport Properties of Nanostructures Immobilized Substrates. 2009 , 1172, 7		
1062	Electrophoresis deposition of metal nanoparticles with reverse micelles onto InP. 2009 , 100, 1234-1238	3	9
1061	Thermal Effects of Colloidal Suspensions of Au Nanoparticles. 2009 , 1172, 60		6
1060	Near-IR Remote Release from Assemblies of Liposomes and Nanoparticles. 2009 , 121, 1839-1841		36

(2009-2009)

1059	Probing the Photothermal Effect of Gold-Based Nanocages with Surface-Enhanced Raman Scattering (SERS). 2009 , 121, 10108-10111	4
1058	Near-IR remote release from assemblies of liposomes and nanoparticles. 2009 , 48, 1807-9	180
1057	Probing the photothermal effect of gold-based nanocages with surface-enhanced Raman scattering (SERS). 2009 , 48, 9924-7	74
1056	Light-induced release of DNA from plasmon-resonant nanoparticles: Towards light-controlled gene therapy. 2009 , 482, 171-179	121
1055	Pulsed photothermal heating of the media during bubble generation around gold nanoparticles. 2009 , 52, 1540-1543	48
1054	Optical and photoluminescence studies of gold nanoparticles embedded ZnO thin films. 2009 , 518, 1399-1401	11
1053	Laser annealing of gold nanoparticles thin film using photothermal effect. 2009 , 86, 865-867	22
1052	Experimental and theoretical studies of light-to-heat conversion and collective heating effects in metal nanoparticle solutions. <i>Nano Letters</i> , 2009 , 9, 1139-46	483
1051	Femtosecond multicolor transient absorption spectroscopy of colloidal silver nanoparticles. 2009 , 19, 961-968	8
1050	Excimer laser-assisted annealing of silicate glass with ion-synthesized silver nanoparticles. 2009 , 54, 1504-1510	07
1050	Biosensing, Cytotoxicity, and Cellular Uptake Studies of Surface-Modified Gold Nanorods, 2009 .	118
1049	Biosensing, Cytotoxicity, and Cellular Uptake Studies of Surface-Modified Gold Nanorods. 2009 ,	<i>'</i>
1049	Biosensing, Cytotoxicity, and Cellular Uptake Studies of Surface-Modified Gold Nanorods. 2009 , 113, 7574-7578	<i>'</i>
1049	Biosensing, Cytotoxicity, and Cellular Uptake Studies of Surface-Modified Gold Nanorods. 2009, 113, 7574-7578 Invited review: Mesoscopic modelling: materials at the appropriate scale. 2009, 25, 460-465 Optical excitation and detection of vapor bubbles around plasmonic nanoparticles. 2009, 17, 2538-56 Heat generation by optically and thermally interacting aggregates of gold papoparticles under	118
1049	Biosensing, Cytotoxicity, and Cellular Uptake Studies of Surface-Modified Gold Nanorods. 2009, 113, 7574-7578 Invited review: Mesoscopic modelling: materials at the appropriate scale. 2009, 25, 460-465 Optical excitation and detection of vapor bubbles around plasmonic nanoparticles. 2009, 17, 2538-56 Heat generation by optically and thermally interacting aggregates of gold nanoparticles under	118 2 189
1049 1048 1047	Biosensing, Cytotoxicity, and Cellular Uptake Studies of Surface-Modified Gold Nanorods. 2009, 113, 7574-7578 Invited review: Mesoscopic modelling: materials at the appropriate scale. 2009, 25, 460-465 Optical excitation and detection of vapor bubbles around plasmonic nanoparticles. 2009, 17, 2538-56 Heat generation by optically and thermally interacting aggregates of gold nanoparticles under illumination. 2009, 20, 375702 Poly(ethylene glycol)-modified gold nanorods as a photothermal nanodevice for hyperthermia. 2009, 20, 1203-15	118 2 189 43
1049 1048 1047 1046	Biosensing, Cytotoxicity, and Cellular Uptake Studies of Surface-Modified Gold Nanorods. 2009, 113, 7574-7578 Invited review: Mesoscopic modelling: materials at the appropriate scale. 2009, 25, 460-465 Optical excitation and detection of vapor bubbles around plasmonic nanoparticles. 2009, 17, 2538-56 Heat generation by optically and thermally interacting aggregates of gold nanoparticles under illumination. 2009, 20, 375702 Poly(ethylene glycol)-modified gold nanorods as a photothermal nanodevice for hyperthermia. 2009, 20, 1203-15	118 2 189 43

1041	Direction specific release from giant microgel-templated polyelectrolyte microcontainers. 2009 , 5, 3927	50
1040	Local Field Effects on Laser-Induced Heating of Metal Nanoparticles. 2009 , 113, 15805-15810	19
1039	Influence of transient environmental photothermal effects on optical scattering by gold nanoparticles. <i>Nano Letters</i> , 2009 , 9, 2160-6	70
1038	Heat generation in plasmonic nanostructures: Influence of morphology. 2009 , 94, 153109	371
1037	Photochemical Reaction of Poly(ethylene glycol) on Gold Nanorods Induced by Near Infrared Pulsed-laser Irradiation. 2009 , 38, 226-227	21
1036	Calculation of thermal process during the absorption of microwave impulse energy by a spherical nanocluster in liquid medium. 2010 , 7, 273-280	1
1035	Local temperature pattern in plasmonic gold nanoshell: tuning the heat generation. 2010, 78, 311-314	8
1034	Low-temperature growth of silicon nanotubes and nanowires on amorphous substrates. 2010 , 4, 1805-12	27
1033	Modelling of nanoparticles: approaches to morphology and evolution. 2010 , 73, 086502	147
1032	Design of stimuli-responsive dendrimers. 2010 , 7, 307-19	84
1031	Diode laser pumped Gd2O3:Er3+/Yb3+ phosphor as optical nano-heater. 2010 , 100, 443-446	30
1030	Preparation of near-infrared light absorbing gold nanoparticles using polyethylene glycol-attached dendrimers. 2010 , 81, 648-51	17
1029	IR-light triggered drug delivery from micron-sized polymer biocoatings. 2010 , 148, e70-1	20
1028	Properties and applications of colloidal nonspherical noble metal nanoparticles. 2010 , 22, 1805-25	809
1027	Photothermal Effects of Supramolecularly Assembled Gold Nanoparticles for the Targeted Treatment of Cancer Cells. 2010 , 122, 3865-3869	37
1026	Photothermal effects of supramolecularly assembled gold nanoparticles for the targeted treatment of cancer cells. 2010 , 49, 3777-81	236
1025	Polymeric microcapsules with light responsive properties for encapsulation and release. 2010 , 158, 2-14	166
1024	Engineering nanocomposite materials for cancer therapy. 2010 , 6, 2336-57	205

(2010-2010)

1023	Deposition of Pd Nanoparticles on InP by Electrophoresis: Dependence on Electrode Polarity. 2010 , 9, 355-360	5
1022	Approaches to the Synthesis and Characterization of Spherical and Anisotropic Noble Metal Nanomaterials. 2010 ,	
1021	Field-induced columnar transition of biocompatible magnetic colloids: An aging study by magnetotransmissivity. 2010 , 82, 021407	27
1020	Modeling of tumor tissue heating by nanoparticles. <i>Journal of Applied Physics</i> , 2010 , 108, 124703 2.5	9
1019	Hot plasmonic interactions: a new look at the photothermal efficacy of gold nanoparticles. 2010 , 12, 12237-44	33
1018	Hydrogel nanocomposites: a review of applications as remote controlled biomaterials. 2010 , 6, 2364	257
1017	PEG-attached PAMAM dendrimers encapsulating gold nanoparticles: growing gold nanoparticles in the dendrimers for improvement of their photothermal properties. 2010 , 21, 1559-64	49
1016	Gold nano-popcorn-based targeted diagnosis, nanotherapy treatment, and in situ monitoring of photothermal therapy response of prostate cancer cells using surface-enhanced Raman spectroscopy. 2010 , 132, 18103-14	319
1015	Mapping heat origin in plasmonic structures. 2010 , 104, 136805	218
1014	Nanopharmacy: Inorganic nanoscale devices as vectors and active compounds. 2010 , 62, 115-25	148
1013	Thermoplasmonics modeling: A Green function approach. 2010 , 82,	117
1012	Nanoscale control of optical heating in complex plasmonic systems. 2010 , 4, 709-16	484
1011	Visualizing light-triggered release of molecules inside living cells. <i>Nano Letters</i> , 2010 , 10, 4117-4122 11.5	121
1010	Plasmonic nanobubbles as transient vapor nanobubbles generated around plasmonic nanoparticles. 2010 , 4, 2109-23	275
1009	Tunable plasmonic nanobubbles for cell theranostics. 2010 , 21, 85102	106
1008	Carbon nanotubes in cancer theragnosis. 2010 , 5, 1277-301	93
1007	Surface-Enhanced Raman and Fluorescence Spectroscopy of Dye Molecules Deposited on Nanostructured Gold Surfaces. 2010 , 114, 12878-12884	41
1006	Coupling between magnetic and optical properties of stable Au-Fe solid solution nanoparticles. 2010 , 21, 165701	32

1005 .2010,

1004	Heat generation in illuminated gold nanoparticles on a flat surface. 2010 ,	2
1003	X-ray computed tomography contrast agents prepared by seeded growth of gold nanoparticles in PEGylated dendrimer. 2010 , 21, 245104	106
1002	Using the photothermal effect to improve membrane separations via localized heating. 2011 , 21, 6079	55
1001	Design of Photosensitive Gold Nanoparticles for Biomedical Applications Based on Self-Consistent Optical Response Theory. 2011 , 115, 19091-19095	29
1000	Off-Resonant Optical Excitation of Gold Nanorods: Nanoscale Imprint of Polarization Surface Charge Distribution. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 7-11	20
999	Photothermal Plasmonic Triggering of Au Nanoparticle Surface Radical Polymerization. 2011 , 23, 5275-5281	34
998	Local temperature determination of optically excited nanoparticles and nanodots. <i>Nano Letters</i> , 2011 , 11, 1061-9	90
997	Optical properties of metallic nanoparticles: manipulating light, heat and forces at the nanoscale. 2011 , 3, 4042-59	181
996	Femtosecond-pulsed optical heating of gold nanoparticles. 2011 , 84,	193
995	Nearly total absorption of light and heat generation by plasmonic metamaterials. 2011 , 83,	377
994	Plasmonic nanoantennas: fundamentals and their use in controlling the radiative properties of nanoemitters. 2011 , 111, 3888-912	1015
993	Coherent control of Forster energy transfer in nanoparticle molecules: energy nanogates and plasmonic heat pulses. 2011 , 23, 425302	20
992	Plasmon-assisted optofluidics. 2011 , 5, 5457-62	219
991	Laser-induced damage and recovery of plasmonically targeted human endothelial cells. <i>Nano Letters</i> , 2011 , 11, 1358-63	44
990	Cellular uptake and nanoscale localization of gold nanoparticles in cancer using label-free confocal Raman microscopy. 2011 , 8, 176-84	64
989	Architecture of Metallic Nanostructures: Synthesis Strategy and Specific Applications. 2011 , 115, 3513-3527	145
988	Photothermal reshaping of gold nanoparticles in a plasmonic absorber. 2011 , 19, 14726-34	88

987	Heat-generating property of a local plasmon resonator under illumination. 2011 , 36, 3533-5	9
986	Shape-controlled synthesis of NIR absorbing branched gold nanoparticles and morphology stabilization with alkanethiols. 2011 , 22, 015601	30
985	Encapsulation of magnetic CoFe2O4 in SiO2 nanocomposites using hydroxyapatite as templates: A drug delivery system. 2011 , 131, 485-494	35
984	Flash ignition of Al nanoparticles: Mechanism and applications. 2011 , 158, 2544-2548	95
983	Light-induced release of DNA from gold nanoparticles: nanoshells and nanorods. 2011 , 133, 12247-55	299
982	Numerical investigation on the dynamics of cavitation nanobubbles. 2011 , 11, 511-517	12
981	Temperature determination of resonantly excited plasmonic branched gold nanoparticles by X-ray absorption spectroscopy. 2011 , 7, 2498-506	20
980	Long-range nanoparticle surface-energy-transfer ruler for monitoring photothermal therapy response. 2011 , 7, 2517-25	19
979	New insights on surface-enhanced Raman scattering based on controlled aggregation and spectroscopic studies, DFT calculations and symmetry analysis for 3,6-bi-2-pyridyl-1,2,4,5-tetrazine adsorbed onto citrate-stabilized gold nanoparticles. 2011 , 42, 644-652	13
978	Remote actuation of hydrogel nanocomposites: Heating analysis, modeling, and simulations. 2011 , 57, 852-860	15
977	Chemical vapor deposition kinetics and localized growth regimes in combinatorial experiments. 2011 , 12, 3524-8	9
976	Effect of PVP-coated silver nanoparticles using laser direct patterning process by photothermal effect. 2011 , 88, 929-934	18
975	Embedded metal nanoparticles as localized heat sources: An alternative processing approach for complex polymeric materials. 2011 , 52, 1674-1685	70
974	Plasmonic nanobubbles as tunable cellular probes for cancer theranostics. 2011 , 3, 802-40	47
973	Biocompatible transferrin-conjugated sodium hexametaphosphate-stabilized gold nanoparticles: synthesis, characterization, cytotoxicity and cellular uptake. 2011 , 22, 395706	27
972	Gold nanostars as thermoplasmonic nanoparticles for optical heating. 2012 , 20, 621-6	121
971	Efficient photo-thermal activation of gold nanoparticle-doped polymer plasmonic switches. 2012 , 20, 27636-49	18
970	A tunable optical response of a hybrid semiconductor quantum dot-metal nanoparticle complex in the presence of optical excitations. 2012 , 29, 997	8

969	Light-into-heat conversion in La2O3:Er(3+)-Yb3+ phosphor: an incandescent emission. 2012 , 37, 776-8	50
968	Quantitative absorption spectroscopy of nano-objects. 2012 , 86,	18
967	Optical Scattering Spectral Thermometry and Refractometry of a Single Gold Nanoparticle under CW Laser Excitation. 2012 , 116, 15458-15466	60
966	Thermo-optical properties of embedded silver nanoparticles. <i>Journal of Applied Physics</i> , 2012 , 112, 1031 <u>0</u> .15	13
965	Plasmonics: Heat transfer between metal nanoparticles and supporting nanolayers. 2012 , 46, 113-118	8
964	Paradoxes in laser heating of plasmonic nanoparticles. 2012 , 14, 093022	39
963	Biomolecule/Nanoparticle Hybrid Systems for Bioanalysis and Nanomedicine. 2012, 1-31	4
962	Metal Nanoparticles Acting as Light-Activated Heating Elements within Composite Materials. Advanced Functional Materials, 2012 , 22, 5259-5270	58
961	Fast and reversibly switchable wettability induced by a photothermal effect. 2012 , 48, 9278-80	20
960	Demonstration of a plasmonic thermocycler for the amplification of human androgen receptor DNA. 2012 , 137, 4475-81	24
959	Optical Measurement of Thermal Conductivity and Absorption Cross-Section of Gold Nanowires. 2012 , 116, 8798-8803	15
958	Dendrimer-based bionanomaterials produced by surface modification, assembly and hybrid formation. 2012 , 44, 531-540	41
957	Magnetic-plasmonic nanoparticles for the life sciences: calculated optical properties of hybrid structures. 2012 , 8, 559-68	44
956	Stimuli-Responsive Lipid-Based Self-Assembled Systems. 2012 , 257-288	5
955	Near-infrared surface-enhanced Raman spectroscopy (NIR-SERS) for the identification of eosin Y: theoretical calculations and evaluation of two different nanoplasmonic substrates. 2012 , 116, 11863-9	65
954	Plasmon-Mediated Embedding of Nanoparticles in a Polymer Matrix: Nanocomposites Patterning, Writing, and Defect Healing. 2012 , 116, 17204-17209	25
953	Tailoring the synthesis and heating ability of gold nanoprisms for bioapplications. 2012, 28, 8965-70	145
952	Enhanced delivery of chemotherapy to tumors using a multicomponent nanochain with radio-frequency-tunable drug release. 2012 , 6, 4157-68	137

951	Photothermal Effect of Plasmonic Nanoparticles and Related Bioapplications. 2012, 455-475	3
950	Radio frequency absorption in gold nanoparticle suspensions: a phenomenological study. 2012 , 45, 075303	35
949	Ultrafast Photothermal Release of DNA from Gold Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 902-7	21
948	A DFT study on photoinduced surface catalytic coupling reactions on nanostructured silver: selective formation of azobenzene derivatives from para-substituted nitrobenzene and aniline. 2012 , 14, 12919-29	107
947	Gene silencing by gold nanoshell-mediated delivery and laser-triggered release of antisense oligonucleotide and siRNA. 2012 , 6, 7681-91	226
946	Thermophysical and biological responses of gold nanoparticle laser heating. 2012 , 41, 1191-217	408
945	Biomedical Applications of Gold Nanoparticles. 2012 , 101-145	3
944	Plasmon-Enhanced Photoluminescence of SiC Quantum Dots for Cell Imaging Applications. 2012 , 7, 725-732	15
943	Plasmon resonance in silver and gold nanoclusters obtained upon reductive adsorption on silicas with different surfaces. 2012 , 48, 307-319	1
942	Thermal imaging of nanostructures by quantitative optical phase analysis. 2012 , 6, 2452-8	149
941	Laser-induced cell detachment, patterning, and regrowth on gold nanoparticle functionalized surfaces. 2012 , 6, 9585-95	60
940	Hyperthermia Using Inorganic Nanoparticles. 2012 , 309-335	5
939	Nanoplasmonics for dual-molecule release through nanopores in the membrane of red blood cells. 2012 , 6, 4169-80	123
938	Nanosecond photothermal effects in plasmonic nanostructures. 2012 , 6, 2550-7	274
937	Optical funneling and trapping of gold colloids in convergent laser beams. 2012 , 6, 4400-9	16
936	Light-Induced Plasmon-Assisted Phase Transformation of Carbon on Metal Nanoparticles. <i>Advanced</i>	22
930	Functional Materials, 2012 , 22, 2129-2139	23
935		16

933	Significantly Improved Analytical Sensitivity of Lateral Flow Immunoassays by Using Thermal Contrast. 2012 , 124, 4434-4437	15
932	Significantly improved analytical sensitivity of lateral flow immunoassays by using thermal contrast. 2012 , 51, 4358-61	122
931	Solar energy conversion with tunable plasmonic nanostructures for thermoelectric devices. 2012 , 4, 4416-20	50
930	Atomic force microscopy of nanostructured gold films after their irradiation with a powerful pulsed microwave radiation. 2012 , 9, 62-70	
929	Photostimulated Au Nanoheaters in Polymer and Biological Media: Characterization of Mechanical Destruction and Boiling. <i>Advanced Functional Materials</i> , 2012 , 22, 294-303	53
928	New frontier in hypericin-mediated diagnosis of cancer with current optical technologies. 2012 , 40, 460-73	23
9 2 7	Thermo-plasmonics: using metallic nanostructures as nano-sources of heat. <i>Laser and Photonics Reviews</i> , 2013 , 7, 171-187	800
926	Design and characterization of functional nanoparticles for enhanced bio-performance. 2013 , 1051, 165-207	1
925	Au-ultrathin functionalized corellhell (Fe3O4@Au) monodispersed nanocubes for a combination of magnetic/plasmonic photothermal cancer cell killing. 2013 , 3, 7816	40
924	Hollow-shelled nanoreactors endowed with high catalytic activity. <i>Chemistry - A European Journal</i> , 2013 , 19, 12196-211	108
923	Self assembled materials: design strategies and drug delivery perspectives. 2013 , 15, 17016-28	99
922	Plasmon excitation of supported gold nanoparticles can control molecular release from supramolecular systems. 2013 , 29, 10521-8	9
921	Observation of nanoscale cooling effects by substrates and the surrounding media for single gold nanoparticles under CW-laser illumination. 2013 , 7, 7874-85	50
920	Plasmonic materials for energy: From physics to applications. 2013 , 16, 375-386	242
919	Compact solar autoclave based on steam generation using broadband light-harvesting nanoparticles. 2013 , 110, 11677-81	352
918	An overview of nanoparticle assisted laser therapy. 2013 , 67, 469-486	61
917	Selection of thermo-optical parameter of nanoparticles for achievement of their maximal thermal energy under optical irradiation. 2013 , 2, 1137-1141	18
916	Plasmonics for pulsed-laser cell nanosurgery: Fundamentals and applications. 2013 , 17, 26-49	111

(2013-2013)

915	Phenomenological approach to light scattering by small particles and directional Fano's resonances. 2013 , 104, 34002	6
914	Luminescent and photocatalytic properties of hollow SnO2 nanospheres. 2013 , 178, 725-729	9
913	All-in-one optical heater-thermometer nanoplatform operative from 300 to 2000 k based on Er(3+) emission and blackbody radiation. 2013 , 25, 4868-74	219
912	Multi-stimuli responsive foams combining particles and self-assembling fatty acids. 2013 , 4, 3874	66
911	Ultrasensitive Surface Acoustic Wave Detection of Collective Plasmonic Heating by Close-Packed Colloidal Gold Nanoparticles Arrays. 2013 , 117, 2442-2448	8
910	Tuning DNA binding kinetics in an optical trap by plasmonic nanoparticle heating. <i>Nano Letters</i> , 2013 , 13, 3140-4	25
909	Metallhsulatorfhetal light absorber: a continuous structure. 2013 , 15, 025006	79
908	Two-Dimensional Analysis Photothermal Properties in Nanoscale Plasmonic Waveguides for Optical Interconnect. 2013 , 31, 4051-4056	9
907	Visible light plasmonic heating of Au-ZnO for the catalytic reduction of CO2. 2013 , 5, 6968-74	117
906	Gold nanoparticle superstructures with enhanced photothermal effect. 2013 , 15, 3490	17
905	Facile tuning of plasmon bands in hollow silver nanoshells using mild reductant and mild stabilizer. 2013 , 42, 10597-607	26
904	Improving the performance of pervaporation membranes via localized heating through incorporation of silver nanoparticles. 2013 , 1, 15031	19
903	Nonlinear nanomedecine: harmonic nanoparticles toward targeted diagnosis and therapy. 2013 , 10, 783-92	57
902	Solar vapor generation enabled by nanoparticles. 2013 , 7, 42-9	882
901	Light-triggered biocatalysis using thermophilic enzyme-gold nanoparticle complexes. 2013 , 7, 654-63	64
900	Plasmonically enhanced thermomechanical detection of infrared radiation. <i>Nano Letters</i> , 2013 , 13, 1638-485	45
899	Transient enhancement and spectral narrowing of the photothermal effect of plasmonic nanoparticles under pulsed excitation. 2013 , 25, 772-6	19
898	Improving the flux of PDMS membranes via localized heating through incorporation of gold nanoparticles. 2013 , 428, 63-69	49

897	Probing and controlling photothermal heat generation in plasmonic nanostructures. <i>Nano Letters</i> , 2013 , 13, 1023-8	11.5	131
896	Evolution of light-induced vapor generation at a liquid-immersed metallic nanoparticle. <i>Nano Letters</i> , 2013 , 13, 1736-42	11.5	346
895	Plasmonic-driven thermal sensing: ultralow detection of cancer markers. 2013, 49, 3676-8		41
894	Plasma-Mediated Nanocavitation and Photothermal Effects in Ultrafast Laser Irradiation of Gold Nanorods in Water. 2013 , 117, 9386-9396		53
893	A plasmon-assisted optofluidic (PAOF) system for measuring the photothermal conversion efficiencies of gold nanostructures and controlling an electrical switch. 2013 , 52, 4169-73		196
892	Synergistic switching of plasmonic resonances and molecular spin states. 2013 , 5, 5288-93		29
891	Modern surface plasmon resonance for bioanalytics and biophysics. 2013 , 15, 11190-216		130
890	Information derived from cluster ions from DNA-modified gold nanoparticles under laser desorption/ionization: analysis of coverage, structure, and single-nucleotide polymorphism. 2013 , 85, 1021-8		22
889	Ultrafast spinning of gold nanoparticles in water using circularly polarized light. <i>Nano Letters</i> , 2013 , 13, 3129-34	11.5	103
888	Light-induced generation of singlet oxygen by naked gold nanoparticles and its implications to cancer cell phototherapy. 2013 , 9, 4130-4		74
887	Glycogen and gold nanoparticle bioconjugates: controlled plasmon resonance via glycogen-induced nanoparticle aggregation. 2013 , 3, 8705		34
886	Plasmonics in nanostructures. 2013 , 25, 3840-56		105
885	A Nonlinear Switching Mechanism in Quantum Dot and Metallic Nanoparticle Hybrid Systems. <i>Advanced Optical Materials</i> , 2013 , 1, 460-467	8.1	48
884	Laser-driven heterogeneous catalysis: efficient amide formation catalysed by Au/SiO2 systems. 2013 , 15, 2043		52
883	Local heating with lithographically fabricated plasmonic titanium nitride nanoparticles. <i>Nano Letters</i> , 2013 , 13, 6078-83	11.5	199
882	Modelling of photo-thermal control of biological cellular oscillators. 2013 , 222, 2697-2704		3
881	Temperature sculpting in yoctoliter volumes. 2013 , 135, 3087-94		45
880	A plasmon ruler based on nanoscale photothermal effect. 2013 , 21, 172-81		56

879	Interaction of the Femtosecond Laser Pulses with the New Silica Nanocomposites Containing Au and CdS. 2013 , 834-836, 60-63	1
878	Molding of Plasmonic Resonances in Metallic Nanostructures: Dependence of the Non-Linear Electric Permittivity on System Size and Temperature. 2013 , 6, 4879-4910	89
877	Photothermally activated motion and ignition using aluminum nanoparticles. 2013, 102, 023905	18
876	Design of a Novel Drug Carrier with Photoresponsive Properties: Drug-encapsulated and Alkanethiol-modified Gold-nanoparticle-loaded PEGylated Dendrimer. 2013 , 42, 612-614	5
875	A Plasmon-Assisted Optofluidic (PAOF) System for Measuring the Photothermal Conversion Efficiencies of Gold Nanostructures and Controlling an Electrical Switch. 2013 , 125, 4263-4267	30
874	Plasmonic and Thermooptical Properties of Spherical Metallic Nanoparticles for Their Thermoplasmonic and Photonic Applications. 2014 , 2014, 1-15	4
873	Molecular dynamics investigation of nanoscale cavitation dynamics. 2014 , 141, 234508	37
872	Visual micro-thermometers for nanoparticles photo-thermal conversion. 2014 , 22, 14705-11	6
871	Thermo-Plasmonics for Localized Graphitization and Welding of Polymeric Nanofibers. 2014 , 7, 323-332	6
870	Nanoparticle assisted photothermal deformation of individual neuronal organelles and cells. 2014 , 5, 4002-12	4
869	Plasmonic particles set into fast orbital motion by an optical vortex beam. 2014 , 22, 4349-56	46
868	In situ imaging of ultra-fast loss of nanostructure in nanoparticle aggregates. <i>Journal of Applied Physics</i> , 2014 , 115, 084903	53
867	The nano-mechanics and magnetic properties of high moment synthetic antiferromagnetic particles. 2014 , 211, 884-889	4
866	Photothermal release of CO2 from capture solutions using nanoparticles. 2014 , 7, 2603-2607	18
865	Plasmon-Assisted Precipitation of PbS Quantum Dots in Glasses Containing Ag Nanoparticles. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2420-2422	10
864	Plasmon-enhanced ultrathin bulk heterojunction: interplay between optical and thermal responses of AuNPs. 2014 ,	
863	Analytical and computer modelling of thermal processes of laser interaction with a single nanoparticle. 2014 , 4, 55760-55772	10
862	Gold Nanoparticle-assisted Selective Photothermolysis of Adipose Tissue (NanoLipo). 2014 , 2, e283	15

861	Noble metal deposition modulation on amorphous photochromic diarylethene film. 2014 , 7, 071602		6
860	Temperature Dependence of Photoluminescence from Silver Nanoparticles. 2014 , 9, 93-101		14
859	Manipulation and Optical Detection of Colloidal Functional Plasmonic Nanostructures in Microfluidic Systems. 2014 , 20, 102-114		2
858	Laser-induced fluorescent micro-structures in silver nanoparticle based films. 2014 , 36, 873-878		1
857	Self-assembled plasmonic nanostructures. 2014 , 43, 3976-91		234
856	Time-dependent micro-Raman scattering studies of polyvinyl alcohol and silver nitrate thin films. 2014 , 82, 425-431		1
855	Photogeneration of hot plasmonic electrons with metal nanocrystals: Quantum description and potential applications. <i>Nano Today</i> , 2014 , 9, 85-101	17.9	227
854	Optical trapping and manipulation of plasmonic nanoparticles: fundamentals, applications, and perspectives. 2014 , 6, 4458-74		92
853	Advances in paper-based point-of-care diagnostics. 2014 , 54, 585-97		696
852	Gold Nanoparticle P olydimethylsiloxane Thin Films Enhance Thermoplasmonic Dissipation by Internal Reflection. 2014 , 118, 7523-7531		18
851	Electric and Magnetic Field Enhancement with Ultralow Heat Radiation Dielectric Nanoantennas: Considerations for Surface-Enhanced Spectroscopies. 2014 , 1, 524-529		148
850	Direct Photocatalysis by Plasmonic Nanostructures. 2014 , 4, 116-128		627
849	Metallic nanoparticles immobilized in magnetic metal®rganic frameworks: preparation and application as highly active, magnetically isolable and reusable catalysts. 2014 , 4, 3013		46
848	Thermal Signatures of Plasmonic Fano Interferences: Toward the Achievement of Nanolocalized Temperature Manipulation. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 1347-54	6.4	32
847	Silver nanoparticles as localized flano-heaters funder LED light irradiation to improve membrane performance. 2014 , 2, 3182		25
846	Thermoplasmonics: quantifying plasmonic heating in single nanowires. <i>Nano Letters</i> , 2014 , 14, 499-503	11.5	100
845	Plasmonic Nanobubbles for Cancer Theranostics. 2014 , 879-926		
844	Direct temperature mapping of nanoscale plasmonic devices. <i>Nano Letters</i> , 2014 , 14, 648-52	11.5	39

843	Plasmonics by design: design principles to structurefunction relationships with assemblies of metal nanoparticles. 2014 , 2, 3077	11
842	Derivatization of Colloidal Gold Nanoparticles Toward Their Application in Life Sciences. 2014 , 66, 153-206	
841	Physico-Chemical Characteristics of Gold Nanoparticles. 2014 , 66, 81-152	19
840	Threshold energies for filamentation and spectral characteristics of supercontinuum generation in THEOS-based nanocomposite organosilicon media. 2014 , 44, 793-797	1
839	Progress of alternative sintering approaches of inkjet-printed metal inks and their application for manufacturing of flexible electronic devices. 2014 , 2, 10232-10261	187
838	Enhancing Catalytic Efficiency of Hollow Palladium Nanoparticles by Photothermal Heating of Gold Nanoparticles Added to the Cavity: Palladium © old Nanorattles. 2014 , 6, 3540-3546	24
837	Effect of pH, co-monomer content, and surfactant structure on the swelling behavior of microgel-azobenzene-containing surfactant complex. 2014 , 55, 6513-6518	20
836	Spatial temperature mapping within polymer nanocomposites undergoing ultrafast photothermal heating via gold nanorods. 2014 , 6, 15236-47	32
835	Deterministic temperature shaping using plasmonic nanoparticle assemblies. 2014 , 6, 8984-9	29
834	Photoinduced Silver Precursor Decomposition for Particle Modification in Tungsten Oxide B olymer Matrix Nanocomposites. 2014 , 118, 9820-9831	7
833	Layer-by-Layer Assembly of Light-Responsive Polymeric Multilayer Systems. <i>Advanced Functional Materials</i> , 2014 , 24, 5624-5648	88
832	Photothermal heating enabled by plasmonic nanostructures for electrokinetic manipulation and sorting of particles. 2014 , 8, 9035-43	62
831	Bifunctional Au@Pt core-shell nanostructures for in situ monitoring of catalytic reactions by surface-enhanced Raman scattering spectroscopy. 2014 , 6, 9063-70	74
830	Triphase interface synthesis of plasmonic gold bellflowers as near-infrared light mediated acoustic and thermal theranostics. 2014 , 136, 8307-13	179
829	Elaboration and Rheological Investigation of Magnetic Sensitive Nanocomposite Biopolymer Networks. 2014 , 47, 3136-3144	17
828	Direct photocatalysis for organic synthesis by using plasmonic-metal nanoparticles irradiated with visible light. 2014 , 9, 3046-64	74
827	Photocurrent enhancement of HgTe quantum dot photodiodes by plasmonic gold nanorod structures. 2014 , 8, 8208-16	97
826	High-value utilization of lignin to synthesize Ag nanoparticles with detection capacity for Hg□+. 2014 , 6, 16147-55	92

825	Nanoparticles heat through light localization. <i>Nano Letters</i> , 2014 , 14, 4640-5	11.5	320
824	Solar steam generation by heat localization. 2014 , 5, 4449		1120
823	Thermoplasmonic Membrane-Based Infrared Detector. 2014 , 26, 202-205		23
822	Theoretical Study of Plasmon-Enhanced Surface Catalytic Coupling Reactions of Aromatic Amines and Nitro Compounds. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 1259-66	6.4	127
821	Control of Submillimeter Phase Transition by Collective Photothermal Effect. 2014 , 118, 18799-18804		35
820	Toxic metals and autophagy. 2014 , 27, 1887-900		81
819	Hot-electron-induced dissociation of H2 on gold nanoparticles supported on SiO2. 2014 , 136, 64-7		375
818	Efficient, dual-stimuli responsive cytosolic gene delivery using a RGD modified disulfide-linked polyethylenimine functionalized gold nanorod. 2014 , 196, 37-51		50
817	Targeted highly sensitive detection/eradication of multi-drug resistant Salmonella DT104 through gold nanoparticle-SWCNT bioconjugated nanohybrids. 2014 , 139, 3702-5		26
816	Photothermal response of the plasmonic nanoconglomerates in films assembled by electroless plating. 2014 , 4, 20894-20901		6
815	Dually functionalized dendrimers by temperature-sensitive surface modification and gold nanoparticle loading for biomedical application. 2014 , 4, 27811-27819		4
814	Sunlight-induced synthesis of various gold nanoparticles and their heterogeneous catalytic properties on a paper-based substrate. 2014 , 6, 11514-22		34
813	Surface Plasmon-Mediated Photothermal Chemistry. 2014 , 118, 20735-20749		154
812	Comparison of vapor formation of water at the solid/water interface to colloidal solutions using optically excited gold nanostructures. 2014 , 8, 1439-48		46
811	Laser heating tunability by off-resonant irradiation of gold nanoparticles. 2014, 10, 376-84		16
810	Near-infrared light-triggered "on/off" motion of polymer multilayer rockets. 2014 , 8, 6097-105		196
809	Plasmonic nanoparticles: fabrication, simulation and experiments. 2014 , 47, 213001		63
808	Composite Colloidal Nanosystems for Targeted Delivery and Sensing1. 2014 , 61-84		

Optical Probe Thermometry Using Optically Trapped Erbium Oxide Nanoparticles. 2015, 1779, 59-67 807 Triggering Mechanisms of Thermosensitive Nanoparticles Under Hyperthermia Condition. 2015, 16 806 104, 2414-28 Enhancing Localized Evaporation through Separated Light Absorbing Centers and Scattering 805 50 Centers. 2015, 5, 17276 804 Conclusion. 2015, 515-636 On the self-damping nature of densification in photonic sintering of nanoparticles. 2015, 5, 14845 803 36 Plasmon resonance and heat generation in nanostructures. 2015, 38, 4663-4672 802 23 801 Laser-Assisted Detection of Metal Nanoparticles in Liquid He-II. 2015, 119, 10882-6 7 Broadband enhancement of infrared absorption in microbolometers using Ag nanocrystals. 2015, 800 107, 253102 Probing Long-Lived Plasmonic-Generated Charges in TiO2/Au by High-Resolution X-ray Absorption 799 17 Spectroscopy. 2015, 127, 5503-5506 Enhanced Luminescence, Collective Heating, and Nanothermometry in an Ensemble System 798 Composed of Lanthanide-Doped Upconverting Nanoparticles and Gold Nanorods. Advanced Optical 8.1 44 Materials, 2015, 3, 1606-1613 Comparison of 3D Adaptive Remeshing Strategies for Finite Element Simulations of 797 3 Electromagnetic Heating of Gold Nanoparticles. 2015, 2015, 1-12 Nanoscale materials for hyperthermal theranostics. 2015, 7, 7115-26 796 38 Plasmonic giant quantum dots: hybrid nanostructures for truly simultaneous optical imaging, 795 22 photothermal effect and thermometry. 2015, 6, 2224-false Nanoalloy Printed and Pulse-Laser Sintered Flexible Sensor Devices with Enhanced Stability and 794 34 Materials Compatibility. 2015, 9, 6168-77 Plasmonic Nanostructures for Biomedical and Sensing Applications. 2015, 133-173 793 3 Cooperative Self-Assembly of Gold Nanoparticles on the Hydrophobic Surface of Vesicles in Water. 792 31 2015, 137, 7568-71 Interfacial healing of carbon fiber composites in the presence of gold nanoparticles as localized 791 5 flano-heaters 12015, 5, 5680-5685 Combining superior surface enhanced Raman scattering and photothermal conversion on one 790 2 platform: a strategy of ill-defined gold nanoparticles. 2015, 5, 27120-27125

789	Sensing the temperature influence on plasmonic field of metal nanoparticles by photoluminescence of fullerene C60 in layered C60/Au system. <i>Journal of Applied Physics</i> , 2015 , 117, 153102	2
788	Evaluating Broader Impacts of Nanoscale Thermal Transport Research. 2015 , 19, 127-165	60
787	Charge and Heat Transfer Mechanism in Directly Coupled CdSeMetal Nanohybrids. 2015, 44, 3581-3585	3
786	Dual stimuli-sensitive dendrimers: Photothermogenic gold nanoparticle-loaded thermo-responsive elastin-mimetic dendrimers. 2015 , 132, 155-60	26
7 ⁸ 5	Quantifying the photothermal efficiency of gold nanoparticles using tryptophan as an in situ fluorescent thermometer. 2015 , 17, 17090-100	19
7 ⁸ 4	Preclinical studies of dendrimer prodrugs. 2015 , 11, 1303-15	8
783	Photothermal healing of a glass fiber reinforced composite interface by gold nanoparticles. 2015 , 5, 102167-102172	9
782	Study of Thermophysical Properties of Silver Nanofluids by ISS-HD, Hot Ball and IPPE Techniques. 2015 , 36, 3211-3221	7
781	Optical injection of gold nanoparticles into living cells. <i>Nano Letters</i> , 2015 , 15, 770-5	67
780	Energy conversion within infrared plasmonic absorption metamaterials for multi-band resonance. 2015 , 342, 247-252	5
779	The unusual visible photothermal response of free standing multilayered films based on plasmonic bimetallic nanocages. 2015 , 5, 15719-15727	9
778	The critical role of intragap states in the energy transfer from gold nanoparticles to TiO2. 2015 , 17, 4864-9	35
777	Mussel-inspired gold hollow superparticles for photothermal therapy. 2015 , 4, 1009-14	16
776	A single multifunctional nanoplatform based on upconversion luminescence and gold nanorods. 2015 , 7, 5178-85	46
775	Investigation of Laser Induced Structure formation and resultant fluorescence. 2015 , 42, 256-261	
774	Plasmon-enhanced formic acid dehydrogenation using anisotropic Pd-Au nanorods studied at the single-particle level. 2015 , 137, 948-57	279
773	Fast and Transparent Adaptive Lens Based on Plasmonic Heating. 2015 , 2, 355-360	30
772	Semimetal nanomaterials of antimony as highly efficient agent for photoacoustic imaging and photothermal therapy. 2015 , 45, 18-26	86

771	Nanoscale plasmonic stamp lithography on silicon. 2015 , 9, 2184-93	22
770	Combined Photoacoustic Ultrasound and Beam Deflection Signal Monitoring of Gold Nanoparticle Agglomerate Concentrations in Tissue Phantoms Using a Pulsed Nd:YAG Laser. 2015 , 36, 880-890	10
769	Design of a portable nanosensor for easy breast tomography. 2015 , 5, 19002-19013	11
768	High Temperature Nanoplasmonics: The Key Role of Nonlinear Effects. 2015 , 2, 115-120	37
767	Nanoparticle plasmonics: going practical with transition metal nitrides. 2015 , 18, 227-237	243
766	Glancing angle synthesized indium nanoparticles covered TiO2 thin film and its structural, optoelectronic properties. 2015 , 118, 373-379	5
765	Modern Applications of Plasmonic Nanoparticles: From Energy to Health. <i>Advanced Optical Materials</i> , 2015 , 3, 602-617	140
764	Probing long-lived plasmonic-generated charges in TiO2 /Au by high-resolution X-ray absorption spectroscopy. 2015 , 54, 5413-6	59
763	Design principle for absorption enhancement with nanoparticles in thin-film silicon solar cells. 2015 , 17, 1	7
762	Magnetic gold nanotriangles by microwave-assisted polyol synthesis. 2015 , 7, 14039-46	31
761	Non-plasmonic nanoantennas for surface enhanced spectroscopies with ultra-low heat conversion. 2015 , 6, 7915	349
760	Superhydrophobic/superoleophilic magnetic elastomers by laser ablation. 2015 , 351, 74-82	19
759	Forced Phase Separation by Laser-Heated Gold Nanoparticles in Thermoresponsive Aqueous PNIPAM Polymer Solutions. 2015 , 119, 8217-22	7
758	Ultrafast thermal charging of inorganic nano-phase change material composites for solar thermal energy storage. 2015 , 5, 56541-56548	36
757	Effect of Extended Extinction from Gold Nanopillar Arrays on the Absorbance Spectrum of a Bulk Heterojunction Organic Solar Cell. 2015 , 8, 1547-1560	4
756	Light-induced heating of dense 2D ensemble of gold nanoparticles: dependence on detuning from surface plasmon resonance. 2015 , 17, 1	6
755	Photo-thermal effects in gold nanoparticles dispersed in thermotropic nematic liquid crystals. 2015 , 17, 20281-7	40
754	Nanoparticles for Mass Spectrometry Applications. 2015 , 1-23	

753	Photochemical transformations on plasmonic metal nanoparticles. 2015 , 14, 567-76	1023
75 ²	Introductory lecture: nanoplasmonics. 2015 , 178, 9-36	49
751	Applications of nanomaterials in modern medicine. 2015 , 26, 231-237	4
750	Efficient intracellular delivery and improved biocompatibility of colloidal silver nanoparticles towards intracellular SERS immuno-sensing. 2015 , 140, 3929-34	17
749	Plasmonic Hot Printing in Gold Nanoprisms. 2015 , 2, 744-751	30
748	Next-generation thermo-plasmonic technologies and plasmonic nanoparticles in optoelectronics. 2015 , 41, 23-70	45
747	Graphene-Based Bioinspired Compound Eyes for Programmable Focusing and Remote Actuation. 2015 , 7, 21416-22	23
746	Controlling solid state gain media by deposition of silver nanoparticles: from thermally- quenched to plasmon-enhanced Nd(3+) luminescence. 2015 , 23, 15670-9	12
745	Thermoplasmonic effect of silver nanoparticles modulates peptide amphiphile fiber into nanowreath-like assembly. 2015 , 7, 20238-48	28
744	Asymmetric heat transfer from nanoparticles in lipid bilayers. 2015 , 463, 22-29	11
744743	Asymmetric heat transfer from nanoparticles in lipid bilayers. 2015 , 463, 22-29 Biointerfacing polymeric microcapsules for in vivo near-infrared light-triggered drug release. 2015 , 7, 19092-8	11 49
	Biointerfacing polymeric microcapsules for in vivo near-infrared light-triggered drug release. 2015 ,	
743	Biointerfacing polymeric microcapsules for in vivo near-infrared light-triggered drug release. 2015 , 7, 19092-8 Solvent Effects on the Photothermal Regeneration of CO2 in Monoethanolamine Nanofluids. 2015 ,	49
743 742	Biointerfacing polymeric microcapsules for in vivo near-infrared light-triggered drug release. 2015, 7, 19092-8 Solvent Effects on the Photothermal Regeneration of CO2 in Monoethanolamine Nanofluids. 2015, 7, 25851-6 Quantifying the Efficiency of Plasmonic Materials for Near-Field Enhancement and Photothermal	49
743 742 741	Biointerfacing polymeric microcapsules for in vivo near-infrared light-triggered drug release. 2015, 7, 19092-8 Solvent Effects on the Photothermal Regeneration of CO2 in Monoethanolamine Nanofluids. 2015, 7, 25851-6 Quantifying the Efficiency of Plasmonic Materials for Near-Field Enhancement and Photothermal Conversion. 2015, 119, 25518-25528 A detailed microscopic study of the heat transfer at a water gold interface coated with a polymer.	49 11 105
743 742 741 740	Biointerfacing polymeric microcapsules for in vivo near-infrared light-triggered drug release. 2015, 7, 19092-8 Solvent Effects on the Photothermal Regeneration of CO2 in Monoethanolamine Nanofluids. 2015, 7, 25851-6 Quantifying the Efficiency of Plasmonic Materials for Near-Field Enhancement and Photothermal Conversion. 2015, 119, 25518-25528 A detailed microscopic study of the heat transfer at a water gold interface coated with a polymer. 2015, 106, 093113	49 11 105
743 742 741 740 739	Biointerfacing polymeric microcapsules for in vivo near-infrared light-triggered drug release. 2015, 7, 19092-8 Solvent Effects on the Photothermal Regeneration of CO2 in Monoethanolamine Nanofluids. 2015, 7, 25851-6 Quantifying the Efficiency of Plasmonic Materials for Near-Field Enhancement and Photothermal Conversion. 2015, 119, 25518-25528 A detailed microscopic study of the heat transfer at a water gold interface coated with a polymer. 2015, 106, 093113 Controlled drug delivery via remotely heated core-shell magnetic microcapsules. 2015, Core-Corona Functionalization of Diblock Copolymer Micelles by Heterogeneous Metal	49 11 105 13

735	Sandwich-structured Fe2O3@SiO2@Au nanoparticles with magnetoplasmonic responses. 2015 , 3, 11645-116	55 2 2
734	Dual Mode Photocurrent Generation of Graphene-Oxide Semiconductor Junction. 2015 , 4, N131-N136	3
733	Nanoparticle Arrays. 2015 , 1-31	
732	The sensitization of laser-induced heat of Er3+ doped Y2O3 nanocrystals by codoped with Mn2+. 2015 , 29, 1550158	
731	Enhanced degree of polymerization of methacrylate and epoxy resins by plasmonic heating of embedded silver nanoparticles. 2015 , 88, 220-227	6
730	Mesenchymal Stem Cells Aggregate and Deliver Gold Nanoparticles to Tumors for Photothermal Therapy. 2015 , 9, 9678-90	126
729	Volumetric solar heating of nanofluids for direct vapor generation. 2015 , 17, 290-301	276
728	Mechanical and photothermal shape memory properties of in-situ polymerized hyperbranched polyurethane composites with functionalized graphene. 2015 , 16, 1766-1771	10
727	Near infrared laser-heated electrospinning and mechanical properties of poly(ethylene terephthalate)/multi-walled carbon nanotube nanofibers. 2015 , 5, 78476-78482	6
726	White-Light-Induced Collective Heating of Gold Nanocomposite/Bombyx mori Silk Thin Films with Ultrahigh Broadband Absorbance. 2015 , 9, 12045-59	31
725	Carbon-Based Nanomaterials for Targeted Drug Delivery and Imaging. 2015, 615-645	4
724	Nanomaterials for theranostics: recent advances and future challenges. 2015 , 115, 327-94	883
723	Ordered nanoparticle arrays interconnected by molecular linkers: electronic and optoelectronic properties. 2015 , 44, 999-1014	61
722	Photoluminescence of rhodamine 6G in plasmonic field of Au nanoparticles: Temperature effects. 2015 , 158, 294-300	9
721	Plasmonics on the slope of enlightenment: the role of transition metal nitrides. 2015, 178, 71-86	70
720	Optical heating and temperature determination of core-shell gold nanoparticles and single-walled carbon nanotube microparticles. 2015 , 11, 1320-7	29
719	Plasmon-enhanced reverse water gas shift reaction over oxide supported Au catalysts. 2015 , 5, 2590-2601	77
718	Rapid charging of thermal energy storage materials through plasmonic heating. 2014 , 4, 6246	57

717	Enhanced welding efficiency in laser welding of highly reflective pure copper. 2015 , 216, 287-293	28
716	Self-assisted optothermal trapping of gold nanorods under two-photon excitation. 2016 , 4, 035003	5
715	Large-scale cauliflower-shaped hierarchical copper nanostructures for efficient photothermal conversion. 2016 , 8, 14617-24	70
714	One-pot synthesis of gold nanostars using plant polyphenols for cancer photoacoustic imaging and photothermal therapy. 2016 , 18, 1	15
713	Nanoplatforms for Plasmon-Induced Heating and Thermometry. <i>ChemNanoMat</i> , 2016 , 2, 520-527 3.5	26
712	Use of ZnO:Tb down-conversion phosphor for Ag nanoparticle plasmon absorption using a He-Cd ultraviolet laser. 2016 , 31, 1182-6	3
711	Optically controlled local nanosoldering of metal nanowires. 2016 , 108, 193101	24
710	Thermoplasmonic Study of a Triple Band Optical Nanoantenna Strongly Coupled to Mid IR Molecular Mode. 2016 , 6, 22227	14
709	Plasmonic welded single walled carbon nanotubes on monolayer graphene for sensing target protein. 2016 , 108, 203110	2
708	Controlled cellular fusion using optically trapped plasmonic nano-heaters. 2016,	1
707	Non-equilibrium simulations of thermally induced electric fields in water. 2016 , 144, 224102	16
706	Laser-driven gel microtool for single-cell manipulation based on temperature control with a photothermal conversion material. 2016 , 109, 254102	5
705	Localized Surface Plasmon Resonance Assisted Photothermal Catalysis of CO and Toluene Oxidation over PdteO2 Catalyst under Visible Light Irradiation. 2016 , 120, 29116-29125	47
704	Photothermal effects of plasmonic metal nanoparticles in a fluid. <i>Journal of Applied Physics</i> , 2016 , 119, 083105	23
703	Applications of Gold Nanoparticle-Loaded Thermosensitive Elastin-Mimetic Dendrimer to Photothermal Therapy. 2016 , 29, 519-523	5
702	Spatial control of chemical processes on nanostructures through nano-localized water heating. 2016 , 7, 10946	32
701	Plasmon spectroscopy: Theoretical and numerical calculations, and optimization techniques. 2016 , 1,	3
700	Graphene-based Recyclable Photo-Absorbers for High-Efficiency Seawater Desalination. 2016 , 8, 9194-9	141

(2016-2016)

699	nanoparticle/graphene oxide nanocomposites through the plasmon assisted chemical reaction. 2016 , 6, 29453-29459		7
698	Analysis of Photothermal Release of Oligonucleotides from Hollow Gold Nanospheres by Surface-Enhanced Raman Scattering. 2016 , 120, 20677-20683		6
697	Visualization of Active Sites for Plasmon-Induced Electron Transfer Reactions Using Photoelectrochemical Polymerization of Pyrrole. 2016 , 120, 16051-16058		49
696	Photothermal triggering of self-healing processes applied to the reparation of bio-based polymer networks. 2016 , 3, 045003		27
695	Boosting Hot Electron-Driven Photocatalysis through Anisotropic Plasmonic Nanoparticles with Hot Spots in AulliO2 Nanoarchitectures. 2016 , 120, 11690-11699		151
694	Near Infrared Light-Powered Janus Mesoporous Silica Nanoparticle Motors. 2016 , 138, 6492-7		298
693	Toward rational design of palladium nanoparticles with plasmonically enhanced catalytic performance. 2016 , 6, 47907-47911		6
692	Light-induced actuating nanotransducers. 2016 , 113, 5503-7		108
691	Photothermal heating property of gold nanoparticle loaded substrates and their SERS response. 2016 , 498, 20-29		13
690	Surface modification of carbon black nanoparticles enhances photothermal separation and release of CO2. 2016 , 105, 126-135		18
689	Plasma resonance effects on bubble nucleation in flow boiling of a nanofluid irradiated by a pulsed laser beam. 2016 , 72, 90-94		7
688	Optically Induced Structural Instability in GoldBilica Nanostructures: A Case Study. 2016 , 120, 11230-11	236	6
687	Localization of Excess Temperature Using Plasmonic Hot Spots in Metal Nanostructures: Combining Nano-Optical Antennas with the Fano Effect. 2016 , 120, 13215-13226		50
686	Hybrid Structures for Surface-Enhanced Raman Scattering: DNA Origami/Gold Nanoparticle Dimer/Graphene. 2016 , 12, 5458-5467		28
685	Plasmon [plasmon interaction effect on effective medium electrical conductivity (an effective agent for photothermal therapy). <i>Current Applied Physics</i> , 2016 , 16, 1498-1505	2.6	4
684	Bending Gold Nanorods with Light. <i>Nano Letters</i> , 2016 , 16, 6485-6490	11.5	37
683	Local temperature variation measurement by anti-Stokes luminescence in attenuated total reflection geometry. 2016 , 24, 19026-31		5
682	Photothermally induced scratch healing effects of thermoplastic nanocomposites with gold nanoparticles. 2016 , 133, 165-172		19

681	Solar-Powered Plasmon-Enhanced Heterogeneous Catalysis. 2016 , 5, 112-133		84
680	Effects of thermo-plasmonics on laser-induced backside wet etching of silicate glass. 2016 , 13, 106001		7
679	Plasmonic-heating-induced nanofabrication on glass substrates. 2016 , 8, 18187-18196		17
678	Electrical and mechanical self-healing membrane using gold nanoparticles as localized Bano-heaters 2016 , 4, 10018-10025		34
677	Quantitative Single-Molecule Surface-Enhanced Raman Scattering by Optothermal Tuning of DNA Origami-Assembled Plasmonic Nanoantennas. 2016 , 10, 9809-9815		102
676	Plasmonically Induced Potential in MetalBemiconductor Composites. <i>Advanced Optical Materials</i> , 2016 , 4, 1805-1810	.1	4
675	Amplified Generation of Hot Electrons and Quantum Surface Effects in Nanoparticle Dimers with Plasmonic Hot Spots. 2016 , 120, 19329-19339		81
674	Steam generation in a nanoparticle-based solar receiver. 2016 , 28, 397-406		189
673	Multifunctional Magnetoliposomes for Sequential Controlled Release. 2016 , 10, 7749-60		55
672	Filtering light with nanoparticles: a review of optically selective particles and applications. 2016 , 8, 541		45
671	Dynamic visualization of photothermal heating by gold nanocages using thermoresponsive elastin like polypeptides. 2016 , 8, 18912-18920		12
670	Light-to-heat conversion and heating of single nanoparticles, their assemblies, and the surrounding medium under laser pulses. 2016 , 6, 81266-81289		37
669	Controlled and Stabilized LightMatter Interaction in Graphene: Plasmonic Film with Large-Scale 10-nm Lithography. <i>Advanced Optical Materials</i> , 2016 , 4, 1811-1823	.1	13
668	Hybrid Optical Thermal Antennas for Enhanced Light Focusing and Local Temperature Control. 2016 , 3, 1714-1722		15
667	Efficient Solar-Thermal Energy Harvest Driven by Interfacial Plasmonic Heating-Assisted Evaporation. 2016 , 8, 23412-8		109
666	Features of the interaction of near-infrared laser radiation with Yb-doped dielectric nanoparticles. 2016 , 103, 743-751		5
665	Thiol Molecules as Temperature Sensors for Surface-enhanced Raman Scattering Measurements of Heat-sensitive Materials. 2016 , 45, 1207-1209		6
664	Effects of particle size and laser wavelength on heating of silver nanoparticles under laser irradiation in liquid. 2016 , 87, 1		3

(2016-2016)

663	A Multifunctional Biomaterial with NIR Long Persistent Phosphorescence, Photothermal Response and Magnetism. 2016 , 11, 2537-41	8
662	Quantum emitter coupled to plasmonic nanotriangle: Spatially dependent emission and thermal mapping. 2016 , 381, 227-233	1
661	When plasmonics meets membrane technology. 2016 , 28, 363003	53
660	Nanomanipulation and controlled self-assembly of metal nanoparticles and nanocrystals for plasmonics. 2016 , 45, 5672-5716	122
659	Transformation kinetics of silver nanoparticles and silver ions in aquatic environments revealed by double stable isotope labeling. 2016 , 3, 883-893	41
658	Plasmonic nanostructures for electronic designs of photovoltaic devices: plasmonic hot-carrier photovoltaic architectures and plasmonic electrode structures. 2016 , 6, 042504	14
657	Hot microswimmers. 2016 , 225, 2207-2225	36
656	Highly Increased Flow-Induced Power Generation on Plasmonically Carbonized Single-Walled Carbon Nanotube . 2016 , 8, 29877-29882	13
655	Spectral Shift of the Plasmon Resonance Between the Optical Extinction and Absorption of Gold and Aluminum Nanodisks. 2016 , 120, 26025-26033	11
654	Plasmonic Photothermal Fluorescence Modulation for Homogeneous Biosensing. 2016 , 1, 1351-1357	15
653	Porous Iron oxide nanorods and their photothermal applications. 2016 ,	
652	Site-Selective Plasmonic Etching of Silver Nanocubes. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 436364368	3 48
651	Plasmonic nanoparticles tuned thermal sensitive photonic polymer for biomimetic chameleon. 2016 , 6, 31328	30
650	Stably dispersed high-temperature Fe3O4/silicone-oil nanofluids for direct solar thermal energy harvesting. 2016 , 4, 17503-17511	35
649	Importance of Plasmonic Heating on Visible Light Driven Photocatalysis of Gold Nanoparticle Decorated Zinc Oxide Nanorods. 2016 , 6, 26913	91
648	Highly stable and biocompatible gold nanorodDNA conjugates as NIR probes for ultrafast sequence-selective DNA melting. 2016 , 6, 103724-103739	5
647	Nanometals for Solar-to-Chemical Energy Conversion: From Semiconductor-Based Photocatalysis to Plasmon-Mediated Photocatalysis and Photo-Thermocatalysis. 2016 , 28, 6781-803	322
646	Visible Light Triggered CO2 Liberation from Silver Nanocrystals Incorporated Metal®rganic Frameworks. <i>Advanced Functional Materials</i> , 2016 , 26, 4815-4821	34

645	Multifunctional Fe2O3Au Nanoparticles with Different Shapes: Enhanced Catalysis, Photothermal Effects, and Magnetic Recyclability. 2016 , 120, 15162-15172		67
644	Analysis and modeling of localized heat generation by tumor-targeted nanoparticles (Monte Carlo methods). 2016 , 10, 026029		1
643	Molecular devices based on reversible singlet oxygen binding in optical and photomedical applications. 2016 , 1, 258-272		17
642	Analyzing Photothermal Heat Generation Efficiency in a Molecular Plasmonic Silver Nanomatryushka Dimer. 2016 , 11, 493-501		3
641	Plasmon resonance-enhanced photoelectrodes and photocatalysts. 2016 , 325, 116-124		20
640	Surface chemistry of Au/TiO2: Thermally and photolytically activated reactions. 2016 , 71, 77-271		88
639	Reprogrammable Logic Gate and Logic Circuit Based on Multistimuli-Responsive Raspberry-like Micromotors. 2016 , 8, 15654-60		35
638	Effect of Ions and Ionic Strength on Surface Plasmon Absorption of Single Gold Nanowires. 2016 , 10, 6080-9		7
637	Plasmonic photothermic directed broadband sunlight harnessing for seawater catalysis and desalination. 2016 , 9, 3151-3160		222
	Two-Photon Excitation of a Plasmonic Nanoswitch Monitored by Single-Molecule Fluorescence		
636	Microscopy. Chemistry - A European Journal, 2016 , 22, 7281-7	4.8	13
636		4.8	13
	Microscopy. Chemistry - A European Journal, 2016 , 22, 7281-7 Nano-heaters: New insights on the outstanding deposition of dielectric energy on perovskite	4.8	
635	Microscopy. <i>Chemistry - A European Journal</i> , 2016 , 22, 7281-7 Nano-heaters: New insights on the outstanding deposition of dielectric energy on perovskite nanoparticles. 2016 , 20, 20-28	4.8	15
635 634	Microscopy. <i>Chemistry - A European Journal</i> , 2016 , 22, 7281-7 Nano-heaters: New insights on the outstanding deposition of dielectric energy on perovskite nanoparticles. 2016 , 20, 20-28 Nanothermometry using optically trapped erbium oxide nanoparticle. 2016 , 122, 1	4.8	15
635634633	Microscopy. <i>Chemistry - A European Journal</i> , 2016 , 22, 7281-7 Nano-heaters: New insights on the outstanding deposition of dielectric energy on perovskite nanoparticles. 2016 , 20, 20-28 Nanothermometry using optically trapped erbium oxide nanoparticle. 2016 , 122, 1 Inspired smart materials with external stimuli responsive wettability: a review. 2016 , 6, 36623-36641 Laser-driven phase transitions in aqueous colloidal gold nanoparticles under high pressure:	4.8	15 12 110
635634633632	Microscopy. Chemistry - A European Journal, 2016, 22, 7281-7 Nano-heaters: New insights on the outstanding deposition of dielectric energy on perovskite nanoparticles. 2016, 20, 20-28 Nanothermometry using optically trapped erbium oxide nanoparticle. 2016, 122, 1 Inspired smart materials with external stimuli responsive wettability: a review. 2016, 6, 36623-36641 Laser-driven phase transitions in aqueous colloidal gold nanoparticles under high pressure: picosecond pump-probe study. 2016, 18, 4994-5004 Direct evidence of plasmonic enhancement on catalytic reduction of 4-nitrophenol over silver	4.8	15 12 110
635634633632631	Microscopy. Chemistry - A European Journal, 2016, 22, 7281-7 Nano-heaters: New insights on the outstanding deposition of dielectric energy on perovskite nanoparticles. 2016, 20, 20-28 Nanothermometry using optically trapped erbium oxide nanoparticle. 2016, 122, 1 Inspired smart materials with external stimuli responsive wettability: a review. 2016, 6, 36623-36641 Laser-driven phase transitions in aqueous colloidal gold nanoparticles under high pressure: picosecond pump-probe study. 2016, 18, 4994-5004 Direct evidence of plasmonic enhancement on catalytic reduction of 4-nitrophenol over silver nanoparticles supported on flexible fibrous networks. 2016, 188, 245-252 Oxidative Coupling or Reductive Coupling? Effect of Surroundings on the Reaction Route of the	4.8	15 12 110 14 129

627	Heat generation and stability of a plasmonic nanogold system. 2016 , 49, 055302	9
626	Nematic liquid crystals used to control photo-thermal effects in gold nanoparticles. 2016,	2
625	Flexible artificially-networked structure for ambient/high pressure solar steam generation. 2016 , 4, 4700-470	05114
624	Hollow Mesoporous Plasmonic Nanoshells for Enhanced Solar Vapor Generation. <i>Nano Letters</i> , 2016 , 16, 2159-67	174
623	Thermal Transport across Surfactant Layers on Gold Nanorods in Aqueous Solution. 2016 , 8, 10581-9	32
622	Ultra-sensitive photon sensor based on self-assembled nanoparticle plasmonic membrane resonator. 2016 ,	2
621	Calcinated gold nanoparticle arrays for on-chip, multiplexed and matrix-free mass spectrometric analysis of peptides and small molecules. 2016 , 8, 1665-75	29
620	Surface Plasmon Catalytic Aerobic Oxidation of Aromatic Amines in Metal/Molecule/Metal Junctions. 2016 , 120, 944-955	32
619	Surface-Stress-Induced Phase Transformation of Ultrathin FeCo Nanowires. 2016 , 8, 31-6	8
618	Light-Induced Heating of Gold Nanoparticles in Colloidal Solution: Dependence on Detuning from Surface Plasmon Resonance. 2016 , 11, 345-350	42
617	Physical Study of the Primary and Secondary Photothermal Events in Gold/Cellulose Nanocrystals (AuNP/CNC) Nanocomposites Embedded in PVA Matrices. 2017 , 5, 1601-1609	25
616	Diameter effect of gold nanoparticles on photothermal conversion for solar steam generation. 2017 , 7, 4815-4824	83
615	Measuring Nanoscale Thermostability of Cell Membranes with Single Gold-Diamond Nanohybrids. 2017 , 56, 3025-3030	53
614	In situ curing of liquid epoxy via gold-nanoparticle mediated photothermal heating. 2017 , 28, 065601	15
613	Photoregulated Nanopore Formation via Plasmon-Induced Dealloying of AuAg Alloy Nanoparticles. 2017 , 121, 2473-2480	13
612	Extremely Cost-Effective and Efficient Solar Vapor Generation under Nonconcentrated Illumination Using Thermally Isolated Black Paper. 2017 , 1, 1600003	249
611	Product selectivity in plasmonic photocatalysis for carbon dioxide hydrogenation. 2017 , 8, 14542	247
610	Low-Energy CO Release from Metal-Organic Frameworks Triggered by External Stimuli. 2017 , 50, 778-786	71

609	Optoelectronic devices, plasmonics, and photonics with topological insulators. 2017 , 5, 035504		69
608	Plasmonic Control and Stabilization of Asymmetric Light Scattering from Ag Nanocubes on TiO. 2017 , 9, 11064-11072		16
607	Surface enhanced thermo lithography. 2017 , 174, 52-58		1
606	Plasmon-induced charge separation: chemistry and wide applications. 2017 , 8, 3325-3337		151
605	Plasmonic doped semiconductor nanocrystals: Properties, fabrication, applications and perspectives. 2017 , 674, 1-52		163
604	Laser Ablation of Sub-10 nm Silver Nanoparticles. 2017 , 121, 9552-9559		4
603	Resonant Nonplasmonic Nanoparticles for Efficient Temperature-Feedback Optical Heating. <i>Nano Letters</i> , 2017 , 17, 2945-2952	11.5	83
602	Surface plasmon resonance in gold nanoparticles: a review. 2017 , 29, 203002		686
601	Creation of large, periodic temperature gradient via plasmonic heating from mesoscopic planar lattice of metal domains. 2017 , 118, 247-258		1
600	Photothermal Microscopy of Coupled Nanostructures and the Impact of Nanoscale Heating in Surface Enhanced Raman Spectroscopy. 2017 , 121, 11623-11631		30
599	Measuring Nanoscale Thermostability of Cell Membranes with Single GoldDiamond Nanohybrids. 2017 , 129, 3071-3076		0
598	Light-Directed Tuning of Plasmon Resonances via Plasmon-Induced Polymerization Using Hot Electrons. 2017 , 4, 1453-1458		47
597	On-demand curing of polydimethylsiloxane (PDMS) using the photothermal effect of gold nanoparticles. 2017 , 9, 8555-8559		17
596	Photon Energy Threshold in Direct Photocatalysis with Metal Nanoparticles: Key Evidence from the Action Spectrum of the Reaction. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2526-2534	6.4	38
595	Self-thermophoretic motion of controlled assembled micro-/nanomotors. 2017 , 19, 23606-23613		32
594	Laser-assisted immobilization of colloid silver nanoparticles on polyethyleneterephthalate. 2017 , 420, 661-668		14
593	Plasmon field enhancement oscillations induced by strain-mediated coupling between a quantum dot and mechanical oscillator. 2017 , 28, 255203		1
592	The Ultrafast Laser Pump-Probe Technique for Thermal Characterization of Materials With Micro/Nanostructures. 2017 , 21, 177-198		37

591	Damage-free tip-enhanced Raman spectroscopy for heat-sensitive materials. 2017 , 9, 10715-10720	16
590	Adverse Effects of Polymer Coating on Heat Transport at the SolidLiquid Interface. 2017 , 121, 13474-13480	5
589	Morphology Control of Ag Polyhedron Nanoparticles for Cost-Effective and Fast Solar Steam Generation. 2017 , 1, 1600023	54
588	Poly(ethyleneglycol)-coated Ni0.65Zn0.35Fe2O4 nanoparticles for hyperthermia applications. 2017 , 70, 615-620	7
587	From CdS to Cu7S4 Nanorods via a Cation Exchange Route and Their Applications: Environmental Pollution Removal, Photothermal Conversion and Light-Induced Water Evaporation. 2017 , 2, 3039-3048	17
586	Solar steam generation through bio-inspired interface heating of broadband-absorbing plasmonic membranes. <i>Applied Energy</i> , 2017 , 195, 414-425	192
585	Catalysis-Driven Self-Thermophoresis of Janus Plasmonic Nanomotors. 2017 , 129, 530-533	17
584	Catalysis-Driven Self-Thermophoresis of Janus Plasmonic Nanomotors. 2017 , 56, 515-518	70
583	Visible Laser-Induced In Situ Cell Detachment from Gold Nanoparticle-Embedded Collagen Gel. 2017 , 17, 1600341	5
582	Multiscale Thermal Property Measurements for Biomedical Applications. 2017 , 3, 2669-2691	12
581	Stress wave emission from plasmonic nanobubbles. 2017 , 50, 015304	5
580	Plasmon-mediated wavelength-selective enhanced photoresponse in polymer photodetectors. 2017 , 5, 399-407	20
579	Stationary bubble formation and Marangoni convection induced by CW laser heating of a single gold nanoparticle. 2017 , 9, 719-730	56
578	Platinum electrocatalysts with plasmonic nano-cores for photo-enhanced oxygen-reduction. 2017 , 41, 233-242	28
577	Localized Phase Separation of Thermoresponsive Polymers Induced by Plasmonic Heating. 2017 , 121, 22496-22507	13
576	Solar water evaporation by black photothermal sheets. 2017 , 41, 269-284	283
575	Light-driven micro/nanomotors: from fundamentals to applications. 2017 , 46, 6905-6926	322
574	Low-Noise Plasmonic Nanopore Biosensors for Single Molecule Detection at Elevated Temperatures. 2017 , 4, 2835-2842	30

573	Laser streaming: Turning a laser beam into a flow of liquid. 2017 , 3, e1700555	31
572	The irradiation influence on the properties of silver sulfide (Ag2S) colloidal nanoparticles. 2017 , 59, 1629-1630	6 11
571	Photothermal Nanoparticle Initiation Enables Radical Polymerization and Yields Unique, Uniform Microfibers with Broad Spectrum Light. 2017 , 9, 39034-39039	9
57°	Photo-thermal study of a layer of randomly distributed gold nanoparticles: from nano-localization to macro-scale effects. 2017 , 50, 435302	16
569	Tunable Black Gold: Controlling the Near-Field Coupling of Immobilized Au Nanoparticles Embedded in Mesoporous Silica Capsules. <i>Advanced Optical Materials</i> , 2017 , 5, 1700617	16
568	State of diagnosing infectious pathogens using colloidal nanomaterials. 2017 , 146, 97-114	27
567	Temperature dynamics of laser irradiated gold nanoparticles embedded in a polymer matrix. 2017 , 656, 25-31	4
566	Thermochromism, a perspective of light to heat conversion mediated by metal nanoparticles. 2017 , 649, 38-44	O
565	All-Ceramic Microfibrous Solar Steam Generator: TiN Plasmonic Nanoparticle-Loaded Transparent Microfibers. 2017 , 5, 8523-8528	68
564	Understanding Hot-Electron Generation and Plasmon Relaxation in Metal Nanocrystals: Quantum and Classical Mechanisms. 2017 , 4, 2759-2781	157
563	Photo-induced fabrication of Ag nanowire circuitry for invisible, ultrathin, conformable pressure sensors. 2017 , 5, 9986-9994	26
562	Determination of NLC refractive index dispersion in wavelength and temperature for plasmonic applications. 2017 , 649, 31-37	4
561	Volumetric solar heating and steam generation via gold nanofluids. <i>Applied Energy</i> , 2017 , 206, 393-400 10.7	97
560	Plasmonic nanofluids enhanced solar thermal transfer liquid. 2017,	5
559	In situgrowth of luminescent silver nanoclusters inside bulk sol-gel silica glasses. 2017 , 4, 076201	4
558	Plasmonic Thermal Decomposition/Digestion of Proteins: A Rapid On-Surface Protein Digestion Technique for Mass Spectrometry Imaging. 2017 , 89, 8704-8712	5
557	Deposition pattern and tracer particle motion of evaporating multi-component sessile droplets. 2017 , 506, 83-92	14
556	Local field enhancement and thermoplasmonics in multimodal aluminum structures. 2017 , 96,	8

555	Controlling the Heat Dissipation in Temperature-Matched Plasmonic Nanostructures. <i>Nano Letters</i> , 2017 , 17, 5472-5480	19
554	Light energy transformation over a few nanometers. 2017 , 50, 375601	7
553	Plasmonic heating from indium nanoparticles on a floating microporous membrane for enhanced solar seawater desalination. 2017 , 9, 12843-12849	61
552	Synthesis, Characterization, and Selective Delivery of DARPin-Gold Nanoparticle Conjugates to Cancer Cells. 2017 , 28, 2569-2574	34
551	Modulatory Functionalization of Gold Nanorods Using Supramolecular Assemblies. 2017 , 12, 2591-2596	3
550	Synthesis of pure and biocompatible gold nanoparticles using laser ablation method for SERS and photothermal applications. <i>Current Applied Physics</i> , 2017 , 17, 1430-1438	21
549	Solution-Processed Plasmonic-Dielectric Sunlight-Collecting Nanofilms for Solar Thermoelectric Application. 2017 , 9, 43583-43595	4
548	Sustainable OrganicIhorganic Interfaces in Energy Applications. 2017 , 199-240	
547	Nano-Particles for Biomedical Applications. 2017 , 643-691	4
546	Computational Plasmonics: Theory and Applications. 2017 , 315-339	1
545	Plasmonic Microcantilever with Remarkably Enhanced Photothermal Responses. 2017, 7, 4796	4
544	Photoinduced heat generation mechanism in Ag nanoparticles embedded in SiO2 and IIn2S3 matrix. 2017 ,	
543	Giant Thermal Magnetoresistance in Plasmonic Structures. 2017 , 118, 173902	58
542	Structural damage of Bacillus subtilis biofilms using pulsed laser interaction with gold thin films. 2017 , 10, 1043-1052	1
541	Water desalination using visible light by disperse red 1 modified PTFE membrane. 2017, 404, 79-86	31
540	Multibuilding Block Janus Synthesized by Seed-Mediated Self-Assembly for Enhanced Photothermal Effects and Colored Brownian Motion in an Optical Trap. 2017 , 13, 1602569	7
539	Plasmon based metal-graphene nanocomposites for effective solar vaporization. 2017 , 690, 57-62	16
538	Photosensitive microgels containing azobenzene surfactants of different charges. 2016 , 19, 108-117	39

537	High-performance wastewater treatment based on reusable functional photo-absorbers. 2017 , 309, 787-794	47
536	Plasmonic colour generation. 2017 , 2,	435
535	Design of Biomimetic Interfaces at the Dendrimer Periphery and Their Applications. 2017, 209-227	
534	Photothermal Modeling and Analysis of Intrabody Terahertz Nanoscale Communication. 2017 , 16, 755-763	18
533	Etching of Sapphire in Supercritical Water at Ultrahigh Temperatures and Pressures under the Conditions of Pulsed Laser Thermoplasmonics. 2017 , 11, 1288-1295	5
532	Losses in plasmonics: from mitigating energy dissipation to embracing loss-enabled functionalities. 2017 , 9, 775	79
531	Surface plasmons in suspended graphene: launching with in-plane gold nanoantenna and propagation properties. 2017 , 25, 17306-17321	3
530	Thermal effects in systems of colloidal plasmonic nanoparticles in high-intensity pulsed laser fields [Invited]. 2017 , 7, 555	14
529	Fano Effect and Quantum Entanglement in Hybrid Semiconductor Quantum Dot-Metal Nanoparticle System. 2017 , 17,	4
528	Plasmonic Graphene Polyurethane Nanocomposites for Efficient Solar Water Desalination. 2018 , 1, 976-985	53
527	Transparent and flexible high frequency transmission lines based on composite structure comprising silver nanowires and polyvinyl butyral. 2018 , 159, 25-32	9
526	DLS Setup for in Situ Measurements of Photoinduced Size Changes of Microgel-Based Hybrid Particles. 2018 , 34, 3597-3603	13
525	Challenges and Prospects in Solar Water Splitting and CO2 Reduction with Inorganic and Hybrid Nanostructures. 2018 , 8, 3602-3635	262
524	Nanowire arrays restore vision in blind mice. 2018 , 9, 786	58
523	Roadmap on plasmonics. 2018 , 20, 043001	174
522	Bioinspired Materials in Evaporation. 2018 , 73-98	1
521	Graphite powder/semipermeable collodion membrane composite for water evaporation. 2018, 180, 34-45	36
520	Heat transfer from nanoparticles for targeted destruction of infectious organisms. 2018 , 34, 157-167	17

519	Experimental photothermal performance of nanofluids under concentrated solar flux. 2018 , 182, 255-262	37
518	Facile measurement of surface heat loss from polymer thin films via fluorescence thermometry. 2018 , 56, 643-652	4
517	Trace detection and photothermal spectral characterization by a tuneable thermal lens spectrometer with white-light excitation. 2018 , 183, 158-163	18
516	Reactivating Catalytic Surface: Insights into the Role of Hot Holes in Plasmonic Catalysis. 2018 , 14, e1703510	29
515	Pulsed Molecular Optomechanics in Plasmonic Nanocavities: From Nonlinear Vibrational Instabilities to Bond-Breaking. 2018 , 8,	31
514	Plasmonic nanostructure assisted HHG in NIR spectrum and thermal analysis. 2018 , 51, 075307	4
513	Reduction of colloidal Ag2S to binary Ag2NS/Ag nanoparticles under UV and visible irradiation. 2018 , 28, 96-98	7
512	Optical thermometry of Sm3+ on laser-induced local heating for precipitation of PbS quantum dots in glasses. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 3372-3376	11
511	Plasmono-magnetic material for precise photothermal heating 2018 , 8, 2660-2666	
510	Photothermal Circular Dichroism Induced by Plasmon Resonances in Chiral Metamaterial Absorbers and Bolometers. <i>Nano Letters</i> , 2018 , 18, 2001-2008	61
509	Thermoplasmonic Ignition of Metal Nanoparticles. <i>Nano Letters</i> , 2018 , 18, 1699-1706 11.5	20
508	Smart Biomimetic Superhydrophobic Materials with Switchable Wettability. 2018, 191-227	
507	Optimum morphology of gold nanorods for light-induced hyperthermia. 2018 , 10, 2632-2638	25
506	Near-Infrared Light Induced Phase Transition of Biodegradable Composites for On-Demand Healing and Drug Release. 2018 , 10, 4131-4139	16
505	Near-field thermal imaging of optically excited gold nanostructures: scaling principles for collective heating with heat dissipation into the surrounding medium. 2018 , 10, 941-948	12
504	Broadband photoresponse based on a synergistic effect of surface ions and plasmon polaritons. 2018 , 6, 1199-1205	4
503	Selective heat generation in cancer cells using a combination of 808 nm laser irradiation and the folate-conjugated FeO@Au nanocomplex. 2018 , 46, 241-253	37
502	Molecular dynamics study of water evaporation enhancement through a capillary graphene bilayer with tunable hydrophilicity. 2018 , 452, 372-380	22

501	Thermoplasmonic Effect of Surface-Enhanced Infrared Absorption in Vertical Nanoantenna Arrays. 2018 , 122, 13072-13081		9
500	Dynamic optical properties of gold nanoparticles/cholesteric liquid crystal arrays. 2018 , 8, 550-555		7
499	Towards an Integrated QR Code Biosensor: Light-Driven Sample Acquisition and Bacterial Cellulose Paper Substrate. 2018 , 12, 452-460		2
498	Opto-thermoelectric nanotweezers. 2018 , 12, 195-201		127
497	Effect of plasmonic coupling on photothermal behavior of random nanoparticles. 2018 , 420, 52-58		12
496	Influence of PEG coating on optical and thermal response of gold nanoshperes and nanorods. 2018 , 212, 1-9		8
495	Heat Generation with Plasmonic Nanoparticles. 2018, 16, 356-384		4
494	Enhanced Evaporation in a Multilayer Porous Media Under Heat Localization: A Numerical Study. 2018 , 39, 1355-1363		3
493	Reactive tunnel junctions in electrically driven plasmonic nanorod metamaterials. 2018 , 13, 159-164		69
492	Solar Photothermal Disinfection using Broadband-Light Absorbing Gold Nanoparticles and Carbon Black. 2018 , 52, 205-213		68
491	Digital resonant laser printing: Bridging nanophotonic science and consumer products. <i>Nano Today</i> , 2018 , 19, 7-10	17.9	10
490	Gold nanoparticles functionalized by rhodamine B isothiocyanate: A new tool to control plasmonic effects. 2018 , 513, 10-19		33
489	Metal-Dielectric Nanocavity for Real-Time Tracing Molecular Events with Temperature Feedback. Laser and Photonics Reviews, 2018 , 12, 1700227	8.3	36
488	Recyclable patterning of silver nanowire percolated network for fabrication of flexible transparent electrode. 2018 , 429, 151-157		25
487	Extremely flexible, transparent, and strain-sensitive electroluminescent device based on ZnS:Cu-polyvinyl butyral composite and silver nanowires. 2018 , 429, 144-150		24
486	Laser-driven structural transformations in dextranPNIPAM copolymer/Au nanoparticles hybrid nanosystem: the role of plasmon heating and attractive optical forces 2018 , 8, 38400-38409		4
485	Annealing effect of gold thin films on the light output performances of organic light emitting diodes. 2018 , 42, 1-12		1
484	Proparation and Investigation of Introduced Gold Nanoparticles for Biomedical Sensing Applications. 2018 ,		

(2018-2018)

483	Time-resolved universal temperature measurements using NaYF:Er,Yb upconverting nanoparticles in an electrospray jet. 2018 , 9, 2916-2924	2
482	Optical and Thermophoretic Control of Janus Nanopen Injection into Living Cells. <i>Nano Letters</i> , 2018 , 18, 7935-7941	35
481	Enhanced Plasmonic Particle Trapping Using a Hybrid Structure of Nanoparticles and Nanorods. 2018 , 10, 41655-41663	5
480	Photothermal Convection Lithography for Rapid and Direct Assembly of Colloidal Plasmonic Nanoparticles on Generic Substrates. 2018 , 14, e1803055	22
479	Enhanced photodesorption from near- and mid-infrared plasmonic nanocrystal thin films. 2018, 36, 061401	0
478	Dielectric function of polycrystalline gold films: Effects of grain boundary and temperature. <i>Journal of Applied Physics</i> , 2018 , 124, 165301	5
477	Plasmon Resonances of Mid-IR Antennas on Absorbing Substrate: Optimization of Localized Plasmon-Enhanced Absorption upon Strong Coupling Effect. 2018 , 5, 4378-4385	2
476	Self-Assembled Monolayers of Silver Nanoparticles: From Intrinsic to Switchable Inorganic Antibacterial Surfaces. 2018 , 2018, 4846-4855	39
475	Plasmonic chemically modified cotton nanocomposite fibers for efficient solar water desalination and wastewater treatment. 2018 , 10, 18531-18539	73
474	Highly efficient solar steam generation by hybrid plasmonic structured TiN/mesoporous anodized alumina membrane. 2018 , 33, 3857-3869	13
473	Plasmon-directed polymerization: Regulating polymer growth with light. 2018 , 11, 6384-6390	34
472	Photothermal trap utilizing solar illumination for ice mitigation. 2018 , 4, eaat0127	63
471	Solar evaporation of a hanging plasmonic droplet. 2018 , 170, 184-191	17
470	Laser patterning of transparent polymers assisted by plasmon excitation. 2018 , 14, 4860-4865	3
469	Paper-Based Immunoassays. 2018 , 183-201	2
468	Visible light-responsive cell scaffolds with bilayer structures for single cell separation. 2018 , 44, 4745-4754	4
467	In Situ Observation of Chiral Symmetry Breaking in NaClO3 Chiral Crystallization Realized by Thermoplasmonic Micro-Stirring. 2018 , 18, 4230-4239	4
466	Light-assisted surface reactions on metal nanoparticles. 2018 , 8, 3718-3727	16

465	Investigation on laser-induced heating in NaYbF4:Er3+ for accurate photo-thermal conversion with temperature feedback. 2018 , 426, 418-422	5
464	Designing thermoplasmonic properties of metallic metasurfaces. 2018 , 20, 075004	9
463	Plasmonic-based nanomaterials for environmental remediation. 2018, 237, 721-741	106
462	Phase transition induced by localized surface plasmon resonance of nanoparticle assemblies. 2018 , 127, 244-252	12
461	Flexible thermo-plasmonics: an opto-mechanical control of the heat generated at the nanoscale. 2018 , 10, 16556-16561	22
460	1.4 µm-Thick Transparent Radio Frequency Transmission Lines Based on Instant Fusion of Polyethylene Terephthalate Through Surface of Ag Nanowires. 2018 , 14, 599-609	5
459	Characterizing the Surface Coverage of Protein-Gold Nanoparticle Bioconjugates. 2018 , 29, 2691-2700	29
458	Photothermal Effectiveness of Magnetite Nanoparticles: Dependence upon Particle Size Probed by Experiment and Simulation. 2018 , 23,	16
457	Solar Absorber Gel: Localized Macro-Nano Heat Channeling for Efficient Plasmonic Au Nanoflowers Photothermic Vaporization and Triboelectric Generation. 2018 , 8, 1800711	176
456	Thermoplasmonic enhancement of upconversion in small-size doped NaGd(Y)F nanoparticles coupled to gold nanostars. 2018 , 10, 14687-14696	13
455	Multifunctional NIR-responsive poly(vinylpyrrolidone)-Cu-Sb-S nanotheranostic agent for photoacoustic imaging and photothermal/photodynamic therapy. 2018 , 74, 334-343	19
454	Bioinspired microrobots. 2018, 3, 113-124	287
453	Melting of graphene supported Pd-Pt core-shell nanoparticles: A molecular dynamics study. 2018 , 151, 132-143	5
452	Other Field-Assisted Sintering Techniques. 2018 , 401-414	
451	Enhancement of energy utilization using nanofluid in solar powered membrane distillation. 2018 , 212, 554-562	26
45°	Plasmon Controlled Shaping of Metal Nanoparticle Aggregates by Femtosecond Laser-Induced Melting. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 5002-5008	19
449	Photo-induced healing of stretchable transparent electrodes based on thermoplastic polyurethane with embedded metallic nanowires. 2018 , 6, 12420-12429	27
448	From Nanowarming to Thermoregulation: New Multiscale Applications of Bioheat Transfer. 2018 , 20, 301-327	9

447	Window Glasses: State and Prospects. 2018, 124, 594-608		7
446	Sequential Actuation of Shape-Memory Polymers through Wavelength-Selective Photothermal Heating of Gold Nanospheres and Nanorods. 2018 , 1, 3063-3067		30
445	Nonlocal and Nonlinear Surface Plasmon Polaritons and Optical Spatial Solitons Induced by the Thermocapillary Effect. 2018 , 120, 243904		5
444	Switching of Radiation Force on Optically Trapped Microparticles through Photochromic Reactions of Pyranoquinazoline Derivatives. 2018 , 122, 22033-22040		7
443	Synthesis and light-induced aggregation of benzoate-stabilized silver nanoparticles. 2019 , 9, 709-714		1
442	Solar absorber material and system designs for photothermal water vaporization towards clean water and energy production. 2019 , 12, 841-864		709
441	Lock-In Thermography to Analyze Plasmonic Nanoparticle Dispersions. 2019 , 36, 1900224		6
440	Nanomaterial Design for Efficient Solar-Driven Steam Generation. 2019 , 2, 6112-6126		16
439	Fundamentals and applications of photocatalytic CO methanation. 2019 , 10, 3169		157
438	Plasmonic Photothermal Nanoparticles for Biomedical Applications. 2019 , 6, 1900471		206
437	Fabrication of Photothermal Silver Nanocube/ZIF-8 Composites for Visible-Light-Regulated Release of Propylene. 2019 , 11, 29298-29304		5
436	Mapping thermal radiation in plasmonic structures. 2019 , 526, 110423		3
435	Photoassisted Electrochemical Micropatterning of Gold Film. 2019 , 91, 9413-9418		2
434	Photothermally-driven thermo-oxidative degradation of low density polyethylene: heterogeneous heating plus a complex reaction leads to homogeneous chemistry. 2019 , 30, 475706		5
433	Multicolor High-Speed Tracking of Single Biomolecules with Silver, Gold, and Silver©old Alloy Nanoparticles. 2019 , 6, 2870-2883		11
432	Hybrid plasmonic metasurfaces. <i>Journal of Applied Physics</i> , 2019 , 126, 140901 2.	.5	13
431	Taking the Heat Off of Plasmonic Chemistry. 2019 , 123, 24347-24351		73
430	Thermoplasmonic Maskless Lithography on Upconverting Nanocomposites Assisted by Gold Nanostars. 2019 , 2, 6889-6897		7

429	Remotely Light-Powered Soft Fluidic Actuators Based on Plasmonic-Driven Phase Transitions in Elastic Constraint. 2019 , 31, e1905671		16
428	Plasmonic Nanocavity Metasurface Based on Laser-Structured Silver Surface and Silver Nanoprisms for the Enhancement of Adenosine Nucleotide Photoluminescence. 2019 , 2, 7152-7161		7
427	Size-dependence of the photothermal response of a single metal nanosphere. <i>Journal of Applied Physics</i> , 2019 , 126, 173103	2.5	8
426	Study of spatial thermal distribution of gold nanourchins in saline by combined transverse probe beam deflection and beam wavefront sensor: biomedical implications. 2019 , 125, 1		2
425	Laser-triggered shape memory based on thermoplastic and thermoset matrices with silver nanoparticles. 2019 , 182, 121792		12
424	. 2019,		
423	Thermoplasmonic Heat Generation Efficiency by Nonmonodisperse CoreBhell Ag0@SiO2 Nanoparticle Ensemble. 2019 , 123, 22499-22510		15
422	Quantitative Analysis of the Plasmonic Photo-Thermoelectric Phenomenon. 2019 , 123, 21670-21675		10
421	Advances in solar evaporator materials for freshwater generation. 2019 , 7, 24092-24123		96
420	Beyond the Thermal Equilibrium Limit of Ammonia Synthesis with Dual Temperature Zone Catalyst Powered by Solar Light. <i>CheM</i> , 2019 , 5, 2702-2717	16.2	46
419	High Fluence Chromium and Tungsten Bowtie Nano-antennas. 2019 , 9, 13023		3
418	The path towards functional nanoparticle-DNA origami composites. 2019 , 138, 153-209		10
417	High-speed imaging of surface-enhanced Raman scattering fluctuations from individual nanoparticles. 2019 , 14, 981-987		67
416	Light-induced heat-conducting micro/nano spheroidal particles and their thermoosmotic velocity fields. 2019 , 143, 118541		1
415	Assistance of metal nanoparticles in photocatalysis - nothing more than a classical heat source. 2019 , 214, 215-233		38
414	Plasmonics of Au nanoparticles in a hot thermodynamic bath. 2019 , 11, 1140-1146		16
413	PEG-based cross-linked films with aligned channels: combining cryogenic processing and photopolymerization for the design of micro-patterned oriented platforms. 2019 , 4, 133-143		3

411	New Insight into AuNP Applications in Tumour Treatment and Cosmetics through Wavy Annuli at the Nanoscale. 2019 , 9, 260	37
410	Transparent, pressure-sensitive, and healable e-skin from a UV-cured polymer comprising dynamic urea bonds. 2019 , 7, 3101-3111	21
409	Photothermal Heating Study Using Er2O3 Photoluminescence Nanothermometry. 2019 , 51-61	1
408	Improving steam generation and distilled water production by volumetric solar heating. 2019 , 158, 113808	9
407	Construction of silica-encapsulated gold-silver core-shell nanorod: Atomic facets enrichment and plasmon enhanced catalytic activity with high stability and reusability. 2019 , 177, 107837	17
406	Surface morphology effect on the evaporation of water on graphene oxide: A molecular dynamics study. 2019 , 488, 335-342	14
405	Photothermal nanobubble nucleation on a plasmonic nanoparticle: A 3D lattice Boltzmann simulation. 2019 , 140, 786-797	7
404	UVII is spectroscopy and desorption/ionization mass spectrometry as the tools for investigation of adsorbed dye photodegradation. 2019 , 45, 4163-4177	2
403	Plasmon-Driven Rapid In Situ Formation of Luminescence Single Crystal Nanoparticle. 2019 , 15, e1901286	15
402	Controlled Rapid Formation of Polyurethane at 700 K: Thermodynamic and Kinetic Consequences of Extreme Photothermal Heating. 2019 , 123, 14774-14780	4
401	Third-Order Nonlinear Optical Properties of Ag Nanoclusters: Connecting Molecule-like and Nanoparticle-like Behavior. 2019 , 31, 6850-6859	15
400	Confirming nonthermal plasmonic effects enhance CO2 methanation on Rh/TiO2 catalysts. 2019 , 12, 1906-1911	39
399	Interband Transitions Are More Efficient Than Plasmonic Excitation in the Ultrafast Melting of Electromagnetically Coupled Au Nanoparticles. 2019 , 123, 16943-16950	15
398	Measuring the activation energy barrier for the nucleation of single nanosized vapor bubbles. 2019 , 116, 12678-12683	25
397	Plasmon-enhanced solar vapor generation. 2019 , 8, 771-786	42
396	Photothermal Control over the Mechanical and Physical Properties of Polydimethylsiloxane. 2019 , 52, 3839-3844	5
395	Recent advances in gold nanoparticles for biomedical applications: from hybrid structures to multi-functionality. 2019 , 7, 3480-3496	67
394	Manipulation of Microscale Fluid Using Laser-Irradiated Nanoparticle Arrays. 2019 , 14, 1555-1563	3

393	High-throughput microfluidic chip for magnetic enrichment and photothermal DNA extraction of foodborne bacteria. 2019 , 294, 62-68		14
392	Antimicrobial Effects of Chemically Functionalized and/or Photo-Heated Nanoparticles. 2019 , 12,		13
391	Nanoparticle-based solar vapor generation: An experimental and numerical study. 2019 , 178, 447-459		14
390	A DNA encoding loop program: the snowball effect enhanced microRNA visualization in living cells. 2019 , 55, 6197-6200		3
389	Role of radiation in heat transfer from nanoparticles to gas media in photothermal measurements. 2019 , 30, 1950024		9
388	Plasmonic heating induced by Au nanoparticles for quasi-ballistic thermal transport in multi-walled carbon nanotubes. 2019 , 11, 7572-7581		6
387	Light-induced thermoosmosis about conducting ellipsoidal nanoparticles. 2019 , 475, 20180040		3
386	Unconventional Approaches to Hydrogen Sorption Reactions: Non-Thermal and Non-Straightforward Thermally Driven Methods. 2019 , 20, 1248-1260		1
385	Scaling Up Nanoplasmon Catalysis: The Role of Heat Dissipation. 2019 , 123, 9352-9357		14
384	The use of glycerol as reactive solvent in the one-pot synthesis of antibacterial hybrid organicIhorganic coatings with photothermal activity. 2019 , 297, 749-761		2
383	Gold-implanted plasmonic quartz plate as a launch pad for laser-driven photoacoustic microfluidic pumps. 2019 , 116, 6580-6585		15
382	Plasmon-enhanced lighthatter interactions and applications. 2019 , 5,		176
381	Surfactant-Controlled Photothermal Assembly of Nanoparticles and Microparticles for Rapid Concentration Measurement of Microbes 2019 , 2, 1561-1568		18
380	Gold-Nanoshell-Functionalized Polymer Nanoswimmer for Photomechanical Poration of Single-Cell Membrane. 2019 , 141, 6601-6608		72
379	Light-heat conversion dynamics in highly diversified water-dispersed hydrophobic nanocrystal assemblies. 2019 , 116, 8161-8166		13
378	All-Optical Control of Light in Micro- and Nanophotonics. 2019 , 6, 1082-1093		34
377	Plasmon-Enhanced Photoelectrochemical Water Splitting for Efficient Renewable Energy Storage. 2019 , 31, e1805513		111
376	Spectral Screening of the Energy of Hot Holes over a Particle Plasmon Resonance. <i>Nano Letters</i> , 2019 , 19, 1867-1874	11.5	69

375	Light-Induced Thermal Gradients in Ruthenium Catalysts Significantly Enhance Ammonia Production. <i>Nano Letters</i> , 2019 , 19, 1706-1711	11.5	45
374	The Impact of Thermoplasmonics in Membrane Technology. 2019 , 55-80		1
373	Effect of Ions and Ionic Strength on Surface Plasmon Extinction Properties of Single Plasmonic Nanostructures. 2019 , 39-50		
372	Conformable, Thin, and Dry Electrode for Electrocardiography Using Composite of Silver Nanowires and Polyvinyl Butyral. 2019 , 15, 267-277		13
371	Challenges and Opportunities for Solar Evaporation. 2019 , 3, 683-718		420
370	Gold nanoparticles in combinatorial cancer therapy strategies. 2019 , 387, 299-324		110
369	Non-invasive and quantitative in vivo monitoring of gold nanoparticle concentration and tissue hemodynamics by hybrid optical spectroscopies. 2019 , 11, 5595-5606		4
368	Paper-Based Point-of-Care Immunoassays. 2019 , 133-155		1
367	An Adaptive Soft Plasmonic Nanosheet Resonator. Laser and Photonics Reviews, 2019, 13, 1800302	8.3	5
366	Optofluidic control of the dispersion of nanoscale dumbbells. 2019 , 99, 022603		3
365	Plasmonic Response of Light-Activated, Nano-Gold Doped Polymers. 2019 , 4, 1749-1758		2
364	Application of Plasmon-Assisted Photochemistry and Photocatalytic Activities to Zeolitic Media. 2019 , 195-212		
363	Bulk and localized plasmonic heating in nanogold doped polymers. 2019 , 37, 062601		
362	Sandwiching analytes with structurally diverse plasmonic nanoparticles on paper substrates for surface enhanced Raman spectroscopy 2019 , 9, 32535-32543		7
361	Cholesterol Functionalization of Gold Nanoparticles Enhances Photoactivation of Neural Activity. 2019 , 10, 1478-1487		18
360	All-Ceramic Solar-Driven Water Purifier Based on Anodized Aluminum Oxide and Plasmonic Titanium Nitride. 2019 , 3, 1800112		38
359	Detecting the thermoplasmonic effect using ellipsometry parameters for self-assembled gold nanoparticles within a polydimethylsiloxane matrix. 2019 , 125, 1		7
358	Theory of Photo-Thermal Effects for Plasmonic Nanocrystals and Assemblies. 2019 , 5-22		1

357	Plasmonic-Enhanced Oxygen Reduction Reaction of Silver/Graphene Electrocatalysts. <i>Nano Letters</i> , 2019 , 19, 1371-1378	49
356	Introduction. 2019 , 1-36	1
355	Fabrication and Characterization of a Capacitive Photodetector Comprising a ZnS/Cu Particle/Poly(vinyl butyral) Composite. 2019 , 11, 4416-4424	10
354	Introduction. 2019 , 1-4	
353	Near Field Nanoscale Temperature Measurement Using AlGaN:Er3+ Film via Photoluminescence Nanothermometry. 2019 , 73-87	
352	Introduction to Hyperthermia. 2019 , 1-10	2
351	Development of Multifunctional Liposomes Containing Magnetic/Plasmonic MnFeD/Au Core/Shell Nanoparticles. 2018 , 11,	16
350	Photoinduced healing of polyolefin dielectrics enabled by surface plasmon resonance of gold nanoparticles. 2019 , 136, 47158	1
349	Tip-Enhanced Second Harmonic Generation: an Approach for Hyper-Raman Spectroscopy. 2019 , 14, 653-661	4
348	Surface-enhanced Raman spectroscopy study of red blood cells and platelets. 2019 , 37, 1090-1098	4
347	Photothermal forces enhanced by nanoneedle array for nanoparticle manipulation. 2020 , 454, 124439	O
346	Optical nonlinearity in nanocomposites based on metal alkanoates with hybrid metal/semiconductor and semiconductor/semiconductor nanoparticles. 2020 , 298, 112042	1
345	Photothermal effect of Au nanoparticles and photothermal inactivation to saccharomycetes cell. 2020 , 206, 163757	3
344	Applications of Plasmon-Enhanced Nanocatalysis to Organic Transformations. 2020 , 120, 986-1041	169
343	Optically responsive delivery platforms: from the design considerations to biomedical applications. 2020 , 9, 39-74	28
342	Solar evaporation for simultaneous steam and power generation. 2020 , 8, 513-531	65
341	Detecting Molecular Plasmons by Means of Electron Density Descriptors. 2020 , 124, 1585-1593	3
340	Predict, Share, and Recycle Your Way to Low-power Nanophotonic Networks. 2020 , 16, 1-26	2

339	Impact of a charged neighboring particle on F□ Ester resonance energy transfer (FRET). 2020 , 32, 095305	3
338	The photothermal property of zinc oxide nanoparticles in the infrared spectrum. 2020 , 203, 163984	1
337	Gold-Decorated M13 I-Forms and S-Forms for Targeted Photothermal Lysis of Bacteria. 2020 , 12, 126-134	12
336	Engineering gold nanoparticles for photothermal therapy, surgery, and imaging. 2020 , 175-193	7
335	Hotlin Plasmonics: Temperature-Related Concepts and Applications of Metal Nanostructures. Advanced Optical Materials, 2020 , 8, 1901166	43
334	Plasmonic photothermal heating of gold nanostars in a real-size container: multiscale modelling and experimental study. 2020 , 31, 125701	7
333	Photothermal self-healing of gold nanoparticle-polystyrene hybrids. 2020 , 12, 20726-20736	3
332	Review of synergistic photo-thermo-catalysis: Mechanisms, materials and applications. 2020 , 45, 30288-3032	4 30
331	Fe3O4@Au/reduced graphene oxide nanostructures: Combinatorial effects of radiotherapy and photothermal therapy on oral squamous carcinoma KB cell line. 2020 , 46, 28676-28685	13
330	Recent developments in plasmon-assisted photocatalysis personal Perspective. 2020 , 117, 130501	10
329	Heating Effects on Optical Properties of Metal Nano Particle. 2020, 1552, 012003	O
328	Electrospun Cadmium Selenide Nanoparticles-Loaded Cellulose Acetate Fibers for Solar Thermal Application. 2020 , 10,	8
327	Recent Advances in Plasmon-Promoted Organic Transformations Using Silver-Based Catalysts. 2020 , 12, 54266-54284	20
326	Tuning the Photothermal Effect of Carboxylated-Coated Silver Nanoparticles through pH-Induced Reversible Aggregation. 2020 , 36, 13998-14008	1
325	Controlling Light, Heat, and Vibrations in Plasmonics and Phononics. <i>Advanced Optical Materials</i> , 8.1	15
324	Studies of Nanoparticle-Assisted Photoannealing of Polydimethylsiloxane by Time-Harmonic Photothermal Microscopy. 2020 , 7, 2601-2609	2
323	Sunlight-driven atmospheric water capture capacity is enhanced by nano-enabled photothermal desiccants. 2020 , 7, 2584-2594	15
322	Plasmon-driven synthesis of individual metal@semiconductor core@shell nanoparticles. 2020 , 11, 3957	23

321	Water-responsive pressure-sensitive adhesive with reversibly changeable adhesion for fabrication of stretchable devices. 2020 , 195, 108995	4
320	Solar vapor generation using bubbly flow nanofluids with collaborative light-harvesting nanoparticles. 2020 , 207, 1214-1221	5
319	Hot electron and thermal effects in plasmonic photocatalysis. <i>Journal of Applied Physics</i> , 2020 , 128, 0411 <u>0</u> §	36
318	Light-Transparent Infrared Filters with Dispersed Plasmonic Nanoparticles. 2020 , 46, 203-217	1
317	Towards highly efficient solar-driven interfacial evaporation for desalination. 2020, 8, 17907-17937	40
316	Ultrafast Photoinduced Interconnection of Metal-Polymer Composites for Fabrication of Transparent and Stretchable Electronic Skins. 2020 , 12, 39695-39704	3
315	Plasmonic and Semiconductor Nanoparticles Interfere with Stereolithographic 3D Printing. 2020 , 12, 50834-50843	4
314	Improved two-temperature modeling of ultrafast thermal and optical phenomena in continuous and nanostructured metal films. 2020 , 102,	5
313	Effect of Ag Nanoparticle Size on Ion Formation in Nanoparticle Assisted LDI MS. 2020 , 1, 3-13	5
312	Localized surface plasmon resonances of a metal nanoring. 2020 , 22, 23878-23885	2
311	Investigating a Lock-In Thermal Imaging Setup for the Detection and Characterization of Magnetic Nanoparticles. 2020 , 10,	4
310	Enhanced thermal effect of plasmonic nanostructures confined in discoidal porous silicon particles 2020 , 10, 30840-30847	О
309	Flow-Driven Resonant Energy Systems. 2020 , 14,	3
308	Au Nanoparticles-Doped Polymer All-Optical Switches Based on Photothermal Effects. 2020 , 12,	1
307	Imaging the Thermal Hysteresis of Single Spin-Crossover Nanoparticles. 2020 , 142, 15852-15859	9
306	A coupled model of electromagnetic and heat on nanosecond-laser ablation of impurity-containing aluminum alloy 2020 , 10, 30944-30952	1
305	Self-Propelled Active Photothermal Nanoswimmer for Deep-Layered Elimination of Biofilm In Vivo. Nano Letters, 2020 , 20, 7350-7358	45
304	Selectively accessing the hotspots of optical nanoantennas by self-aligned dry laser ablation. 2020 , 12, 19170-19177	2

(2020-2020)

303	Photothermal conversion of SiO@Au nanoparticles mediated by surface morphology of gold cluster layer 2020 , 10, 33119-33128	9
302	Applications and challenges of thermoplasmonics. 2020 , 19, 946-958	102
301	Pressure-Sensitive Adhesive with Controllable Adhesion for Fabrication of Ultrathin Soft Devices. 2020 , 12, 40794-40801	4
300	Plasmonic Nanostructures for Energy Application. 2020, 6,	2
299	Rewritable color nanoprints in antimony trisulfide films. 2020 , 6,	33
298	Optimization and Prediction of Spectral Response of Metasurfaces Using Artificial Intelligence. 2020 , 10, 1114	1
297	Machine Learning for Predicting the Surface Plasmon Resonance of Perfect and Concave Gold Nanocubes. 2020 , 124, 25447-25454	4
296	In situ investigation of hot-electron-induced SuzukiMiyaura reaction by surface-enhanced Raman spectroscopy. <i>Journal of Applied Physics</i> , 2020 , 128, 173105	7
295	The thermal lens effect on laser heating of a metal nano-sphere particle immersed in oil. 2020 , 252, 107066	3
294	Photo-Thermoelectric Conversion of Plasmonic Nanohole Array. 2020 , 10, 2681	6
293	Quantifying Optical Absorption of Single Plasmonic Nanoparticles and Nanoparticle Dimers Using Microstring Resonators. 2020 , 5, 2067-2075	1
292	Polylactic Acid-Based Patterned Matrixes for Site-Specific Delivery of Neuropeptides On-Demand: Functional NGF Effects on Human Neuronal Cells. 2020 , 8, 497	5
291	Plasmonic hot electrons for sensing, photodetection, and solar energy applications: A perspective. 2020 , 152, 220901	65
290	Smart Gold Nanostructures for Light Mediated Cancer Theranostics: Combining Optical Diagnostics with Photothermal Therapy. 2020 , 7, 1903441	62
289	Enhanced Pollutant Adsorption and Regeneration of Layered Double Hydroxide-Based Photoregenerable Adsorbent. 2020 , 54, 9106-9115	13
288	An optimal architecture of magneto-plasmonic core-shell nanoparticles for potential photothermal applications. 2020 , 22, 14318-14328	5
287	Directional radiation and photothermal effect enhanced control of 2D excitonic emission based on germanium nanoparticles. 2020 , 31, 385201	1
286	Toward Nanotechnology-Enabled Approaches against the COVID-19 Pandemic. 2020 , 14, 6383-6406	290

285	Plasmon-induced dehydrogenation of formic acid on Pd-dotted Ag@Au hexagonal nanoplates and single-particle study. 2020 , 277, 119226	21
284	Plasmon-induced photocatalytic transformations. 2020 , 249-275	
283	Nanoparticle-based lateral flow assays. 2020 , 89, 313-359	2
282	Experimental and Theoretical Observation of Photothermal Chirality in Gold Nanoparticle Helicoids. 2020 , 14, 4188-4195	31
281	Enhanced Heat Transfer with Metal-Dielectric Core-Shell Nanoparticles. 2020, 13,	11
280	Active tuning of Mie resonances to realize sensitive photothermal measurement of single nanoparticles. 2020 , 7, 1542-1551	4
279	Synergy between thermal and nonthermal effects in plasmonic photocatalysis. 2020, 13, 1268-1280	24
278	Modified Inverted Layer Processing of Ultrathin Touch Sensor Impregnating Ag Nanowires with Both Enlarged Surface Coverage of Conductive Pathways and Ultralow Roughness. 2020 , 16, 247-254	6
277	Determining Plasmonic Hot Electrons and Photothermal Effects during H2 Evolution with TiN B t Nanohybrids. 2020 , 10, 5261-5271	66
276	Development of Dual Functional Nucleic Acid Delivery Nanosystem for DNA Induced Silencing of Bcl-2 Oncogene. 2020 , 15, 1693-1708	13
275	Conversion of Solar Radiation into Vapor: New Possibilities Offered by Nanomaterials (Review). 2020 , 67, 77-91	
274	Photoacoustic identification of laser-induced microbubbles as light scattering centers for optical limiting in a liquid suspension of graphene nanosheets. 2020 , 12, 7109-7115	7
273	Measuring of translational and rotational local temperatures of a single gold nanocrescent in glycerol. 2020 , 219, 165174	
272	Multiphysics Modeling of Plasmonic Photothermal Heating Effects in Gold Nanoparticles and Nanoparticle Arrays. 2020 , 124, 17172-17182	21
271	Plasmonic resonators: fundamental properties and applications. 2020 , 53, 443002	8
270	Rapid Photoinduced Single Cell Detachment from Gold Nanoparticle-Embedded Collagen Gels with Low Denaturation Temperature. 2020 , 12,	3
269	Development of Novel Magnetoliposomes Containing Nickel Ferrite Nanoparticles Covered with Gold for Applications in Thermotherapy. 2020 , 13,	6
268	A plasmonic thermal sensing based portable device for lateral flow assay detection and quantification. 2020 , 15, 10	20

(2021-2020)

267	Heat Dissipation of Metal Nanoparticles in the Dipole Approximation. 2020, 15, 1001-1005	4
266	Time-resolved temperature-jump measurements and steady-state thermal imaging of nanoscale heat transfer of gold nanostructures on AlGaN:Er thin films. 2020 , 152, 034706	O
265	From spherical to bone-shaped gold nanoparticles-Time factor in the formation of Au NPs, their optical and photothermal properties. 2020 , 30, 101670	16
264	Review of Experimental Setups for Plasmonic Photocatalytic Reactions. 2020 , 10, 46	15
263	Laser-triggered drug release from polymeric 3-D micro-structured films via optical fibers. 2020 , 110, 110664	10
262	Photothermal Effect in Plasmonic Nanotip for LSPR Sensing. 2020 , 20,	4
261	Thermal effects - an alternative mechanism for plasmon-assisted photocatalysis. 2020 , 11, 5017-5027	69
2 60	Polyoxometalate Composites in Cancer Therapy and Diagnostics. 2020 , 2020, 2121-2132	15
259	Tunable thermo-piezo-plasmonic effect on core/shell nanoparticles under laser irradiation and external electric field. 2020 , 52, 1	1
258	A review on the role of laser textured surfaces on boiling heat transfer. 2020 , 174, 115274	10
257	Observation of high efficient photothermal conversion of sub-10 nm Au nanoparticles coated on upconversion nanoparticles. 2020 , 101, 109665	5
256	Optical writing and single molecule reading of photoactivatable and silver nanoparticle-enhanced fluorescence. 2020 , 2, 1956-1966	4
255	Plasmon-Driven Modulation of Reaction Pathways of Individual Pt-Modified Au Nanorods. <i>Nano Letters</i> , 2020 , 20, 3326-3330	13
254	Laser-induced optothermal response of gold nanoparticles: From a physical viewpoint to cancer treatment application. 2021 , 14, e202000161	17
253	Low-cost zinc-oxide nanoparticles for solar-powered steam production: Superficial and volumetric approaches. 2021 , 280, 124261	8
252	Symmetry Breaking in Monometallic Nanocrystals toward Broadband and Direct Electron Transfer Enhanced Plasmonic Photocatalysis. <i>Advanced Functional Materials</i> , 2021 , 31, 2006738	3
251	A three-dimensional numerical study of coupled photothermal and photoelectrical processes for plasmonic solar cells with nanoparticles. 2021 , 165, 278-287	5
250	Plasmonically Modulated Gold Nanostructures for Photothermal Ablation of Bacteria. 2021 , 10, e2001158	16

249	Fundamentals and applications of photo-thermal catalysis. 2021 , 50, 2173-2210	91
248	Approaching Complexity: Hyperthermia Dose and Its Possible Measurement in Oncology. 2021 , 11, 68-132	4
247	Modeling of plasmonic properties of nanostructures for next generation solar cells and beyond. 2021 , 6, 1908848	2
246	Microthermal-induced subcellular-targeted protein damage in cells on plasmonic nanosilver-modified surfaces evokes a two-phase HSP-p97/VCP response. 2021 , 12, 713	3
245	Experimental measurement of local high temperature at the surface of gold nanorods using doped ZnGa2O4 as a nanothermometer. 2021 , 3, 2862-2869	2
244	Photoelectrochemical Methanol Oxidation Under Visible and UV Excitation of TiO2-Supported TiN and ZrN Plasmonic Nanoparticles. 2021 , 168, 016503	3
243	Hyperspectral-enhanced dark field analysis of individual and collective photo-responsive gold-copper sulfide nanoparticles. 2021 , 13, 13256-13272	4
242	Biomimetic keratin gold nanoparticle-mediated photothermal therapy on glioblastoma multiforme. 2021 , 16, 121-138	16
241	Recent advances in the photothermal applications of two-dimensional nanomaterials: photothermal therapy and beyond. 2021 , 9, 17569-17591	11
240	Scattering-mediated photothermal heating in plasmonic PES/Au membranes for heterogeneous catalysis. 2021 , 5, 2425-2433	1
239	Cu-based MOF-derived porous carbon with highly efficient photothermal conversion performance for solar steam evaporation. 2021 , 9, 16805-16813	15
238	Preparation of a visible light-responsive gold nanoparticle-containing collagen gel microarray for in situ cell separation. 2021 , 47, 51-60	O
237	Acceleration of catalysis in dihydrofolate reductase by transient, site-specific photothermal excitation. 2021 , 118,	3
236	High efficiency solar desalination and dye retention of plasmonic/reduced graphene oxide based copper oxide nanocomposites 2021 , 11, 15184-15194	8
235	UV Flash Sintering of Aerosol Jet Printed Silver Conductors for Microwave Circuit Applications. 2021 , 11, 342-350	О
234	Exploiting gold nanoparticles for diagnosis and cancer treatments. 2021 , 32, 192001	26
233	Recent advances in cancer photo-theranostics: the synergistic combination of transition metal complexes and gold nanostructures. 2021 , 3, 1	3
232	The Energy Conversion behind Micro-and Nanomotors. 2021 , 12,	3

231 Improving Absorption Properties of Nanoparticles Using Self-Similar Array. **2021**,

230	Damage-free light-induced assembly of intestinal bacteria with a bubble-mimetic substrate. 2021 , 4, 385	4
229	ROS-Mediated Apoptosis and Autophagy in Ovarian Cancer Cells Treated with Peanut-Shaped Gold Nanoparticles. 2021 , 16, 1993-2011	10
228	Thermo-Optical Effects in Plasmonic Metal Nanostructures. 2021 , 66, 112	Ο
227	Dual responsiveness of microgels induced by single light stimulus. 2021 , 118, 091603	0
226	Asymmetries in the Electronic Properties of Spheroidal Metallic Nanoparticles, Revealed by Conduction Electron Spin Resonance and Surface Plasmon Resonance. 2021 , 15, 4490-4503	3
225	Plasmon-Mediated Nitrobenzene Hydrogenation with Formate as the Hydrogen Donor Studied at a Single-Particle Level. 2021 , 11, 3801-3809	15
224	2-D Study of Near-field Generated by Surface Plasmon Resonance of Short Axis of Gold Nano-rods on SiO2 and CeO2/SiO2 Substrates for Optimisation of Water Splitting Reaction. 2021 , 1127, 012005	
223	Experimental and Theoretical Validation of Plasmonic Nanoparticle Heat Generation by Using Lock-In Thermography. 2021 , 125, 5890-5896	0
222	Colloidal Assembly and Separation under UV-Induced Convective Flows and on Inclines. ChemNanoMat, 2021 , 7, 805-810	1
221	Probing Plasmon-Induced Chemical Mechanisms by Free-Radical Nanophotopolymerization. 2021 , 125, 8719-8731	8
220	Comparative study of thermoplasmonic effects of gold and silver metal nanoparticle. 2021 , 11, 045323	1
219	Effect of molten salt reduction on exothermic characteristics of titanium/reduced-silica nanoparticles. 2021 , 60, SCCL09	
218	Electrical Sensing of Au Nanoparticles Manipulated by an Optical Vortex. 2021 , 125, 9507-9515	2
217	TiO 2 , ZnO, and SnO 2 -based metal oxides for photocatalytic applications: principles and development. 2021 , 24, 103-124	3
216	Real-Time Imaging of Laser-Induced Nanowelding of Silver Nanoparticles in Solution. 2021 , 125, 10422-10430	2
215	Enhanced swelling using photothermal responsive surface-immobilized microgels. 2021 , 138, 50973	0
214	Copper-Based Plasmonic Catalysis: Recent Advances and Future Perspectives. 2021 , 33, e2008145	31

213	Metamaterial perfect absorber simulations for intensifying the thermal gradient across a thermoelectric device. 2021 , 29, 16396-16405	4
212	Investigation of dual plasmonic core-shell Ag@CuS nanoparticles for potential surface-enhanced Raman spectroscopy-guided photothermal therapy. 2021 , 16, 909-923	2
211	Nanoscale Sensing Vitrification of 3D Confined Glassy Polymers Through Refractory Thermoplasmonics. 2021 , 8, 1477-1488	2
210	Laser-Scanning-Guided Assembly of Quasi-3D Patterned Arrays of Plasmonic Dimers for Information Encryption. 2021 , 33, e2100325	9
209	Self-Healing Polymer Coatings. 2021 , 1-37	
208	Photoacoustic characterization of bovine serum albumin interaction with gold nanourchin in phosphate buffer saline and the stochastic behaviour. 2021 , 18, 085601	1
207	Photoacoustic laser streaming with non-plasmonic metal ion implantation in transparent substrates. 2021 , 29, 22567-22577	1
206	Untangling Thermal and Nonthermal Effects in Plasmonic Photocatalysis. 2021 , 191-230	
205	Thermoplasmonics with Gold Nanoparticles: A New Weapon in Modern Optics and Biomedicine. 2021 , 2, 2000198	5
204	Visible Light-Induced Reactivity of Plasmonic Gold Nanoparticles Incorporated into TiO2 Matrix towards 2-Chloroethyl Ethyl Sulfide. 2021 , 11, 659	4
203	Efficient Photothermal Generation by Nanoscale Light Trapping in a Forest of Silicon Nanowires. 2021 , 125, 14134-14140	4
202	Theory of Plasmonic Excitations. 2021 , 1-35	
201	Microgel that swims to the beat of light. 2021 , 44, 79	2
200	Innovative Nanotechnology a Boon for Fight Against Pandemic COVID¶9. 2021 , 3,	1
199	Photo-Aligned Nematic Liquid Crystals Enable the Modulation of Thermoplasmonic Heating. 2021 , 11, 6272	О
198	Noble Metal Structures: Photo-Thermal Properties Enhancement. 2021 ,	
197	Enhanced photovoltaic-pyroelectric coupled effect of BiFeO3/Au/ZnO heterostructures. 2021, 85, 105968	15
196	Cell detachment from monolayer- and bilayer-type gold nanoparticle-containing collagen coatings by visible laser irradiation for cell sorting applications.	

195	Experimental Investigations on Steam Generation in Nanofluids under Concentrated Solar Radiation. 2021 , 14, 3985	0	
194	Fabrication of Three-Dimensional Multilayer Structures of Single-Walled Carbon Nanotubes Based on the Plasmonic Carbonization. 2021 , 11,	1	
193	Photocatalytic degradation of organic pollutants, viral and bacterial pathogens using titania nanoparticles. 2021 , 130, 108688	7	
192	Interfacial phenomena in snow from its formation to accumulation and shedding. 2021 , 294, 102480	3	
191	Photo-triggered CO2 release from mussel-inspired polymers. 2021 , 418, 129382	1	
190	Flashlight-Induced Strong Self-Adhesive Surface on a Nanowire-Impregnated Transparent Conductive Film. 2021 , 13, 40062-40069	1	
189	Biocompatible and biomimetic keratin capped Au nanoparticles enable the inactivation of mesophilic bacteria via photo-thermal therapy. 2021 , 625, 126950	1	
188	Transparent and stretchable capacitive pressure sensor using selective plasmonic heating-based patterning of silver nanowires. 2021 , 561, 149989	2	
187	Tailoring of plasmonic functionalized metastructures to enhance local heating release. 2021,	4	
186	Doped Plasmonic Zinc Oxide Nanoparticles with Near-Infrared Absorption for Antitumor Activity. 2021 , 4, 9779-9789	1	
185	Aerosol jet printing of nickel oxide nanoparticle ink with ultraviolet radiation curing for thin-film temperature sensors. 1	1	
184	Low Temperature Sunlight-Powered Reduction of CO2 to CO Using a Plasmonic Au/TiO2 Nanocatalyst.	2	
183	All-dielectric thermonanophotonics. 2021 , 13, 643	11	
182	Thermoplasmonic Patterning of Silver Nanocrystal/Polymer Composite Thin Films. 2021 , 8, 2100738	Ο	
181	Harvesting Light To Produce Heat: Photothermal Nanoparticles for Technological Applications and Biomedical Devices. <i>Chemistry - A European Journal</i> , 2021 , 27, 15361-15374	7	
180	Exploiting Thermoplasmonic Effects for Laser-Assisted Preparation of Au Nanoparticles/InZnO Thin Film with Visible Range Photodetection Properties. <i>Advanced Optical Materials</i> , 2021 , 9, 2100045	3	
179	Photothermal lateral flow immunoassay using microfiber long-period grating. 2021 , 344, 130283	6	
178	Application in hyperthermia treatment. 2022 , 325-351		

177	A quantitative model for a nanoscale switch accurately predicts thermal actuation behavior. 2021 , 13, 13746-13757	O
176	Advances in photothermal nanomaterials for biomedical, environmental and energy applications. 2021 , 13, 14268-14286	8
175	Signal Generation with Gold Nanoparticles: Photophysical Properties for Sensor and Imaging Applications. 319-349	6
174	Thermo-optical Properties of Spherical Homogeneous and CoreBhell Nanoparticles and Their Applications. 2016 , 819-841	3
173	CHAPTER 4:Smart Dendrimers. 2013 , 94-114	2
172	Parametric study of temperature distribution in plasmon-assisted photocatalysis. 2020 , 12, 17821-17832	9
171	Ultrathin films of functionalised single-walled carbon nanotubes: a potential bio-sensing platform. 2020 , 47, 1204-1213	5
170	Opto-electro-fluidics and tip coax conical surface plasmons. 2016 , 1,	7
169	Light-induced electrohydrodynamic instability in plasmonically absorbing gold nanofluids. 2017, 2,	2
168	Temperature elevation and fluid convection under optical trapping condition as revealed by fluorescence correlation spectroscopy. 2018 , 13, 1	4
167	Real time label-free monitoring of plasmonic polymerase chain reaction products. 2019,	1
166	Photothermal microspectroscopy with Bessel-Gauss beams and reflective objectives. 2019 , 58, 7352-7358	3
165	Optical nanoheating of resonant silicon nanoparticles. 2019 , 27, 30971-30978	1
164	MUC1-Targeted Cancer Cell Photothermal Ablation Using Bioinspired Gold Nanorods. 2015 , 10, e0128756	21
163	Plasmonic nanostructures in photodetection, energy conversion and beyond. 2020 , 9, 3135-3163	22
162	Plasmonic control of drug release efficiency in agarose gel loaded with gold nanoparticle assemblies. 2020 , 10, 247-257	5
161	Laser-Driven Aggregation in Dextrantraft PNIPAM/Silver Nanoparticles Hybrid Nanosystem: Plasmonic Effects. 2020 , 65, 254	3
160	Tumor-tropic endothelial colony forming cells (ECFCs) loaded with near-infrared sensitive Au nanoparticles: A "cellular stove" approach to the photoablation of melanoma. 2016 , 7, 39846-39860	18

(2015-2020)

159	Quantitative Structure-activity Relationships; Studying the Toxicity of Metal Nanoparticles. 2020 , 20, 2506-2517	2
158	Plasmon-enhanced nanosoldering of silver nanoparticles for high-conductive nanowires electrodes. 2021 , 4, 200101-200101	6
157	Optomechanical Processing of Silver Colloids: New Generation of Nanoparticle-Polymer Composites with Bactericidal Effect. 2020 , 22,	4
156	Dynamics Study and Analysis of Laser-Induced Transport of Nanoferrofluid in Water Using Fluorescein Isothiocyanate (FITC) as Fluorescence Marker. 2017 , 08, 2219-2244	3
155	Imaging and Therapeutic Applications of Optical and Thermal Response of SPION-Based Third Generation Plasmonic Nanodendrimers. 2015 , 05, 212-226	7
154	Surface plasmaons enhanced light-matter interactions. 2019 , 68, 149101	5
153	Research progress of surface plasmons mediated photothermal effects. 2019 , 68, 144401	4
152	Nanoparticle-Mediated Heating: A Theoretical Study for Photothermal Treatment and Photo Immunotherapy. 2021 , 89-114	
151	Theoretical and in vivo investigations of morphology and concentration of gold nanoparticles for laser surgery. 2021 ,	О
150	Core-Multishell [email[protected]2½[email[protected] Nanoparticles for Surface-Enhanced Raman Scattering-Guided Low-Intensity Photothermal Cancer Therapy.	1
149	Tunable Selectivity in CO Photo-Thermal Reduction by Perovskite-Supported Pd Nanoparticles. 2021 ,	4
148	Time-Harmonic Photothermal Heating by Nanoparticles in a Non-Fourier Medium. 2021 , 125, 22856-22862	2
147	Progress of Phototherapy Applications in the Treatment of Bone Cancer. 2021 , 22,	7
146	Design of Stimuli-Responsive Dendrimers for Biomedical Purposes. 307-327	1
145	Optical Effects. 2012 , 307-330	
144	Nanoscale Temperature Mapping of Photonic and Plasmonic Devices. 2013,	
143	Light Scattering by Small Particles and Their Light Heating: New Aspects of the Old Problems. 2014 , 125-146	1
142	Thermo-optical Properties of Spherical Homogeneous and CoreBhell Nanoparticles and Their Applications. 2015 , 1-19	

141	Gold Nanorods: Plasmonic Photoheating. 1-8		
140	Influence of Ag Nanoparticles Incorporated into Silica Film on Ion Yield in UV Laser Desorption/Ionization Mass Spectrometry. 2015 , 4, 276-282		
139	Nanoparticles for Mass Spectrometry Applications. 2016 , 1371-1396		
138	Nanoparticle Arrays. 2016 , 565-601		1
137	Metamaterial Light Absorber. 2016 , 44, 27		
136	Metallic Nanoparticle Plasmonic Nanoheater. 2018 , 46, 517		1
135	AUMENTO DO DESEMPENHO DE COLETORES SOLARES COM A ADI□□® DE NANOFLUIDOS.		
134	Large-scale optothermal assembly of colloids mediated by a gold microplate. 2020 , 32, 324002		6
133	Plasmon-Induced Pyro-Phototronic Effect Enhancement in Self-Powered UVII is Detection with a ZnO/CuO pli Junction Device. <i>Advanced Functional Materials</i> , 2108903	15.6	11
132	Toward Quantitative Nanothermometry Using Single-Molecule Counting. 2021 , 125, 12197-12205		1
131	Solar-driven interfacial evaporation of a hanging liquid marble. 2022 , 234, 111430		0
130	Perspectives for Seamless Integration of Bioelectronic Systems in Neuromedicine. 2020 , 365-381		
129	Principles and applications of photothermal catalysis. 2021,		15
128	Study of thermoplasmonic properties of gold nanodimer in visible -infrared region of electromagnetic spectrum.		1
127	A Brief Review on Challenges in Design and Development of Nanorobots for Medical Applications. 2021 , 11, 10385		3
126	Plasmon-enhanced nanosoldering of silver nanoparticles for high-conductive nanowires electrodes. 2022 , 200101-200101		
125	Investigating the Photothermal Disinfecting Properties of Light-Activated Silver Nanoparticles.		2

Gold nanodoughnut as an outstanding nanoheater for photothermal applications.. **2022**, 30, 125-137

123	Mie Sensing with Neural Networks: Recognition of Nano-Object Parameters, the Invisibility Point, and Restricted Models. 2100369		1
122	Self-thermophoresis of laser-heated spherical Janus particles. 2021 , 44, 139		1
121	Heterogeneous thermal conductance of nanoparticle-fluid interfaces: An atomistic nodal approach 2022 , 156, 044701		1
120	PVP-Capped Gold Nanoparticles: Thermal Nonlinear Refraction Probed by Spatial Self-Phase Modulation. 2100600		
119	Chapter 2. Engineered Gold Nanoparticles for Photothermal Applications. 2022 , 33-80		1
118	Electron-phonon effects on the photoacoustic response of gold core-silica shell nanoparticles: From the linear regime to nanocavitation 2022 , 156, 084701		O
117	Plasmonic Photocatalysts for Water Splitting. 2022 , 117-173		O
116	Enhanced Performance of a Self-Powered ZnO Photodetector by Coupling LSPR-Inspired Pyro-Phototronic Effect and Piezo-Phototronic Effect. <i>Advanced Optical Materials</i> , 2102468	8.1	10
115	UV-Laser Annealing for Improved Resistive Switching Performance and Reliability of Flexible Resistive Random-Access Memory.		
114	Influence of Thermal Diffusion on the Spatial Resolution in Photothermal Microscopy.		1
113	Solar power harvesting with metal modified windshield glass to obtain hot water.		
112	Boosting hot electrons transfer via laser-induced atomic redistribution for plasmon-enhanced nitroreduction and single-particle study. 2022 ,		2
111	Nanotechnology-Based Strategies for Effective and Rapid Detection of SARS-CoV-2 2021, 14,		2
110	Photothermal and Photodynamic Therapy of Tumors with Plasmonic Nanoparticles: Challenges and Prospects 2022 , 15,		2
109	Disentangling Light- and Temperature-Induced Thermal Effects in Colloidal Au Nanoparticles 2022 , 126, 3591-3599		1
108	Heterogeneous Heat Absorption Is Complementary to Radiotherapy 2022 , 14,		O
107	Light hybrid micro/nano-robots: From propulsion to functional signals. 1		1
106	Chemically-Controlled Ultrafast Photothermal Response in Plasmonic Nanostructured Assemblies 2022 , 126, 6308-6317		Ο

Dense immobilization of gold nanoparticles onto a cotton textile for obtaining plasmonic heating.. **2022**, 1-5

	 ,	
104	Enhancing Solar Radiant Heat Transfer Using Supersonically Sprayed rGO/AgNW Textured Surfaces. 1	O
103	Structural and Compositional Modulation of Porous Carbon for High-Performance Photothermal Water Evaporation. 2022 , 10, 4013-4021	2
102	ReviewDrigin and Promotional Effects of Plasmonics in Photocatalysis. 2022 , 169, 036512	1
101	Plasmonic Nanostructure Engineering with Shadow Growth 2022 , e2107917	O
100	Plasmonic Nanocrystals with Complex Shapes for Photocatalysis and Growth: Contrasting Anisotropic Hot-Electron Generation with the Photothermal Effect. <i>Advanced Optical Materials</i> , 2102663 ^{8.1}	1
99	Pyro-phototronic effect enhanced self-powered photodetector. 2022 , 16, 1-17	3
98	UV-laser annealing for improved resistive switching performance and reliability of flexible resistive random-access memory. 2022 , 908, 164658	O
97	Regulation of energetic hot carriers on Pt/TiO2 with thermal energy for photothermal catalysis. 2022 , 309, 121263	1
96	Biophysical Approaches for Applying and Measuring Biological Forces 2021 , e2105254	3
95	Investigation of the mechanisms of plasmon-mediated photocatalysis: synergistic contribution of near-field and charge transfer effects.	3
94	Metal and metal oxide nanoparticles: synthesis, properties, and applications as nanomedicines for diabetes treatment. 2022 , 111-142	
93	Advances and challenges of broadband solar absorbers for efficient solar steam generation.	4
92	Proposing a Numerical Method to Calculate the Absorbed Power of Plasmonic Nanoparticles (Au, Ag, Al, and Cu) with Different Morphologies Under Solar Irradiance.	
91	Surface-Plasmon-Assisted Growth, Reshaping and Transformation of Nanomaterials 2022 , 12,	1
90	Data_Sheet_1.docx. 2020 ,	
89	Video_1.avi. 2020 ,	
88	Video_2.avi. 2020,	

87 Video_3.avi. **2020**,

86	Transition in the growth mode of plasmonic bubbles in binary liquids 2022,		
85	Multimetallic Metasurfaces for Enhanced Electrocatalytic Oxidations in Direct Alcohol Fuel Cells. Laser and Photonics Reviews, 2200137	8.3	1
84	The nature of active sites for plasmon-mediated photothermal catalysis and heat coupled photocatalysis in dry reforming of methane.		
83	Long-Range Plasmon-Induced Anisotropic Growth of an Organic Semiconductor between Isotropic Gold Nanoparticles <i>Nano Letters</i> , 2022 ,	11.5	
82	Melamine Self-assembly and Dehydrogenation on Ag(111) Studied by Tip-enhanced Raman Spectroscopy.		O
81	Impact of Au nanoparticles on the thermophysical parameters of Fe3O4 nanoparticles for seawater desalination. 2022 , 128, 112456		0
80	Nonlinear optical heating of all-dielectric super-cavity: efficient light-to-heat conversion through giant thermorefractive bistability. 2022 ,		O
79	Nanoscale thermoplasmonic welding. 2022 , 104422		2
78	The use of nanofluids in solar desalination of saline water resources as antibacterial agents. 2022, 265-	301	O
77	Simultaneous Thermal and Spectroscopic Screening of Morphologically Complex Theranostic Gold Nanoparticles. <i>Journal of Nanotheranostics</i> , 2022 , 3, 102-116	3.8	O
76	Recent Advances in Gold Nanomaterials for Photothermal Therapy. <i>Journal of Nanotheranostics</i> , 2022 , 3, 117-131	3.8	6
75	Endogenous Synergistic Enhanced Self-Powered Photodetector via Multi-Effect Coupling Strategy toward High-Efficiency Ultraviolet Communication. <i>Advanced Functional Materials</i> , 2202184	15.6	2
74	Functional gradient films on aluminum alloy to improve its laser-induced damage ability and reduce pollutant particles' generation. <i>Journal of the American Ceramic Society</i> ,	3.8	
73	Manipulation of Fluid Convection by Surface Lattice Resonance. Advanced Optical Materials, 2201066	8.1	1
72	Nanoscale Melting of 3D Confined Azopolymers through Tunable Thermoplasmonics. <i>Journal of Physical Chemistry Letters</i> , 5351-5357	6.4	O
71	Zwitterionic functionalized catalytic evaporator enables simultaneous solar distillation and organic pollutant degradation. <i>Applied Energy</i> , 2022 , 321, 119372	10.7	0
70	Combinatorial selective synthesis and excitation experiments for quantitative analysis of effects of Au on a semiconductor photocatalyst. <i>CheM</i> , 2022 ,	16.2	O

69	How light polarizations affect the localized surface plasmon resonance of asymmetric palladium nanostructures. <i>Nano</i> ,	1.1	
68	Active Tuning of Plasmon Damping via Light Induced Magnetism. <i>Nano Letters</i> , 2022 , 22, 5120-5126	11.5	
67	From Nanoparticle Ensembles to Single Nanoparticles: Techniques for the Investigation of Plasmon Enhanced Electrochemistry. <i>Chemistry - A European Journal</i> ,	4.8	
66	Enhanced Thermo-optical Response by Means of Anapole Excitation. <i>Journal of Physical Chemistry Letters</i> , 2022 , 13, 6230-6235	6.4	1
65	Effect of Nanoparticle Size on Plasmonic Heat Driven Organic Transformation. ChemNanoMat,	3.5	1
64	Optical susceptibility of metal nanoparticle-double quantum dot hybrid system. <i>Current Applied Physics</i> , 2022 ,	2.6	
63	Double quantum dothetal nanoparticle systems under strong coupling. <i>Journal of Applied Physics</i> , 2022 , 132, 043102	2.5	0
62	Nonlinear Propagation of Laser Light in Plasmonic Nanocomposites. Laser and Photonics Reviews, 2200	0863	1
61	Supportive and Palliative Care in Cancer Therapies Path from Tumor-Driven Therapies to Patient-Driven Ones. 2022 , 13, 287-359		
60	Designing two-dimensional temperature profiles using tunable thermoplasmonics. 2022 , 14, 12117-12	128	O
59	Fabrication of Gold-Based Sphere-on-Plate Hybrid Nanostructures with Dual Plasmonic Absorptions Covering Visible and Near-Infrared II Windows via the Volmer Weber Growth Mode. 2022 , 38, 9669-9677		0
58	Synthetic Micro/Nanomotors for Drug Delivery. 2022 , 10, 96		
57	Plasmonic Heating Effects in Tip-Enhanced Raman Spectroscopy (TERS). 2022 , 126, 13986-13993		4
56	Janus-Nanojet as an efficient asymmetric photothermal source. 2022 , 12,		O
55	Insights into the Utilization and Quantification of Thermoplasmonic Properties in Gold Nanorod Arrays. 2022 , 34, 7369-7378		1
54	Rapid Photothermal Synthesis of Polyurethane from Blocked Isocyanates. 2022 , 55, 7232-7239		
53	Progress in thermoplasmonics for solar energy applications. 2022 , 981, 1-50		4
52	Active spatial control of photothermal heating and thermo-reversible convective flow by engineering plasmonic metasurface with heterodimer lattices.		O

51	Photothermal-induced Electrical Behavior of Micron-Sized Platinum Structures and Their Efficient Photodetection.	O
50	Photocatalytic NADH Regeneration Employing Au P d CoreBhell Nanoparticles: Plasmonic Modulation of Underlying Reaction Kinetics. 2022 , 126, 15175-15183	1
49	Photoactivity, conversion kinetics, nanoreinforcement, post-curing, and electric/dielectric properties of functional 3D printable photopolymer resin filled with bare and alumina-doped ZnO nanoparticles. 2022 , 116, 107798	0
48	A hydro-thermophoretic trap for microparticles near a gold-coated substrate. 2022 , 18, 6825-6835	O
47	Label-free and reusable antibody-functionalized gold nanorod arrays for the rapid detection of Escherichia coli cells in a water dispersion. 2022 , 9, 3343-3360	5
46	Chemical-Control of Ultrafast Photothermal Response in Plasmonic Nanostructured Assemblies. 2022 ,	O
45	Controlling photothermal dynamics in gold nanoparticle-loaded agarose gel for plasmon-enhanced drug release. 2022 ,	O
44	Random laser performance by magneto-plasmonic nanoparticles.	O
43	Hot Carrier Lifetimes and Electrochemical Water Dissociation Enhanced by Nickel Doping of a Plasmonic Electrocatalyst.	О
42	Plasma-Modified PI Substrate for Highly Reliable Laser-Sintered Copper Films Using Cu2O Nanoparticles. 2022 , 12, 3237	O
41	Minireview on Solar Desalination and Hydropower Generation by Water Evaporation: Recent Challenges and Perspectives in Materials Science. 2022 , 36, 11443-11456	1
40	Microfluidic Pumps with Laser Streaming from Tips of Optical Fibers and Sewing Needles. 2201534	Ο
39	All-Optical Tunability of Metalenses Permeated with Liquid Crystals. 2022, 16, 16539-16548	1
38	Thermoplasmonics Decontamination of Respirators Face Masks Using Silver Nanoparticles: A New Weapon in the Fight Against COVID-19 Pandemic.	1
37	Exploring thermoplasmonic profiles of some noble metallic nanospheres. 2022, 104795	0
36	Photostimulated Synthesis of Noble Metals Nanoparticles. 2019 , 57-83	0
35	The double-edged effect of single atom metals on photocatalysis. 2023 , 453, 139833	1
34	Enhanced Catalytical and Photothermal Behavior Derived from Self-Assembly Microsuperlattices of Cu 1.8 S for Laser Ignition. 2201392	1

33	Recent Advances in Plasmonic Chemically Modified Bioactive Membrane Applications for the Removal of Water Pollution. 2022 , 14, 3616	O
32	Interaction with Silver Nanowires Disrupts the Excitation Pathways in Upconverting Nanoparticles. 2022 , 126, 19219-19228	O
31	Targeted Suppression of Peptide Degradation in Ag-Based Surface-Enhanced Raman Spectra by Depletion of Hot Carriers. 2205080	O
30	Photoinduced phase transitions in nanogel particles for reversible CO2 capture. 2022 , 140621	O
29	Au nanoparticles decorated nanographene oxide-based platform: Synthesis, functionalization and assessment of photothermal activity. 2022 , 213272	0
28	Ultrafast hot electron dynamics in plasmonic nanostructures: experiments, modelling, design. 2023,	Ο
27	Temperature-Graduated Nickel-Silica Catalysts for Photothermal Steam Reforming of Methane.	O
26	Lattice Resonances for Thermoplasmonics. 2023 , 10, 274-282	O
25	Recent Progress of Gold-Based Nanostructures towards Future Emblem of Photo-Triggered Cancer Theranostics: A Special Focus on Combinatorial Phototherapies. 2023 , 15, 433	O
24	Electromagnetic Forces and Torques: From Dielectrophoresis to Optical Tweezers.	O
23	Autonomous Motion Behavior. 2023 , 99-130	O
22	Stable, Cost-Effective TiN-Based Plasmonic Nanocomposites with over 99% Solar Steam Generation Efficiency. 2212301	O
21	Solar Interfacial Evaporation at the Water-Energy Nexus: Bottlenecks, Approaches and Opportunities.	O
20	Current state-of-the-art review of nanotechnology-based therapeutics for viral pandemics: Special attention to COVID-19. 2023 , 12,	O
19	Highly localized, efficient, and rapid photothermal therapy using gold nanobipyramids for liver cancer cells triggered by femtosecond laser. 2023 , 13,	0
18	Computational analysis of optical absorption efficiency and photothermal effect of Fe3O4/Au and Fe3O4/Ag core/shell spherical nanoparticles for thermoplasmonics applications. 2023 , 188, 108227	O
17	A Surface Conformal Laser-Assisted Alloying Reaction for 3D-Printable Solid/Liquid Biphasic Conductors. 2023 , 3, 2200089	O
16	Efficient Solar Heat Absorption and Counter Passive Air Cooling Using Supersonically Sprayed	

15	Plasmonic Phenomena in Membrane Distillation. 2023 , 13, 254	О
14	Plasmon-mediated chemical reactions. 2023 , 3,	O
13	Deciphering the Role of Light Excitation Attributes in Plasmonic Photocatalysis: The Case of Nicotinamide Cofactor Regeneration. 2023 , 127, 5153-5161	О
12	Highly porous copper foam coated with graphene flakes and silver nanowires to cool overheated solar air heaters. 2023 , 143, 106691	O
11	Precise Tailoring of Mesoporous Silica-Coated Gold Nanorods for Laser Ignition at 1064 nm. 2023 , 6, 4946-4956	О
10	Thermal transport across flat and curved goldWater interfaces: Assessing the effects of the interfacial modeling parameters. 2023 , 158, 134717	O
9	Technology and Materials for Passive Manipulation of the Solar Spectrum in Greenhouses. 2200503	О
8	Low loss sensitivity of the anapole mode in[localized defective nanoparticles. 2023 , 62, 2952	O
7	Autonomous Photothermally-driven Fluid Pumping and Particle Transport and Assembly. 2023, 296-325	О
6	Photothermal Effect and Phase Transition in VO2 Enhanced by Plasmonic Particles. 2023 , 16, 2579	O
5	Plasmonic nanotechnology for photothermal applications lan evaluation. 14, 380-419	О
4	Light-Controlled Multiphase Structuring of Perovskite Crystal Enabled by Thermoplasmonic Metasurface.	O
3	Electromagnetic heating using nanomaterials and various potentials applications. 2023, 61,	О
2	Comparison study of iron and iron-oxide nanoparticles for thermoplasmonic applications. 2023 , 35, 106008	O
1	Photothermal membranes for water treatment and anti-fouling performances: A review. 2023 , 412, 137335	0