

Alexander O Govorov

List of Publications by Year in descending order

Source: [//exaly.com/author-pdf/7811229/publications.pdf](https://exaly.com/author-pdf/7811229/publications.pdf)

Version: 2024-02-01

306
papers

25,595
citations

6442

81
h-index

7484

153
g-index

326
all docs

326
docs citations

326
times ranked

25625
citing authors

#	ARTICLE	IF	CITATIONS
1	Hot Electrons and Electromagnetic Effects in the Broadband Au, Ag, and Ag@Au Nanocrystals: The UV, visible, and NIR Plasmons. ACS Photonics, 2024, 11, 68-84.	6.9	2
2	Quantum plasmonics pushes chiral sensing limit to single molecules: a paradigm for chiral biodetections. Nature Communications, 2024, 15, .	13.2	6
3	Unraveling the Chirality Transfer from Circularly Polarized Light to Single Plasmonic Nanoparticles. Angewandte Chemie - International Edition, 2024, 63, .	14.8	2
4	Unraveling the Chirality Transfer from Circularly Polarized Light to Single Plasmonic Nanoparticles. Angewandte Chemie, 2024, 136, .	2.1	0
5	Reshaping and induction of optical activity in gold@silver nanocuboids by chiral glutathione molecules. Journal of Chemical Physics, 2024, 160, .	3.1	0
6	Emergence of a Low-Energy Peak in the Smoothed Absolute Value Circular Dichroism Spectra of Small Helical Gold Nanorods. ACS Omega, 2024, 9, 5224-5229.	3.6	0
7	Liquid crystal-induced tunable circular dichroism in CdSe and ZnSe nanoplatelets. Journal of Molecular Liquids, 2024, 398, 124187.	5.0	0
8	Lateral Flow Assay Biotesting by Utilizing Plasmonic Nanoparticles Made of Inexpensive Metals@Replacing Colloidal Gold. Nano Letters, 2024, 24, 6069-6077.	9.5	0
9	Collective chiroptical activity through the interplay of excitonic and charge-transfer effects in localized plasmonic fields. Nature Communications, 2024, 15, .	13.2	0
10	Observing the Role of Electron Delocalization in Electronic Transport by Incorporating Actinides into Ligated Metal-Chalcogenide Superatoms. Langmuir, 2024, 40, 15023-15030.	3.7	0
11	Investigating Plasmonic Catalysis Kinetics on Hot-Spot Engineered Nanoantennae. Nano Letters, 2023, 23, 2883-2889.	9.5	23
12	Engineering Fano@Resonant Hybrid Metastructures with Ultra@High Sensing Performances. Advanced Optical Materials, 2023, 11, .	7.9	9
13	Creating Chiral Plasmonic Nanostructures Using Chiral Light in a Solution and on a Substrate: The Near@Field and Hot@Electron Routes. Advanced Optical Materials, 2023, 11, .	7.9	8
14	Test Problems of Gas Suspension Dynamics Using Asymptotically Exact Solutions. Mathematical Models and Computer Simulations, 2023, 15, 564-573.	0.6	0
15	Local Photochemical Nanoscopy of Hot-Carrier-Driven Catalytic Reactions Using Plasmonic Nanosystems. ACS Nano, 2023, 17, 11427-11438.	15.3	5
16	Universal imprinting of chirality with chiral light by employing plasmonic metastructures. Applied Physics Reviews, 2023, 10, .	11.7	4
17	DNA methylation-related lncRNAs predict prognosis and immunotherapy response in gastric cancer. Journal of Cancer Research and Clinical Oncology, 2023, 149, 14745-14760.	2.6	2
18	Nonclassical Mechanism of Metal-Enhanced Photoluminescence of Quantum Dots. Nano Letters, 2023, 23, 8524-8531.	9.5	3

#	ARTICLE	IF	CITATIONS
19	Balancing Near-Field Enhancement and Hot Carrier Injection: Plasmonic Photocatalysis in Energy-Transfer Cascade Assemblies. ACS Photonics, 2023, 10, 3310-3320.	6.9	4
20	Theoretical Dissection of Cation-Deficient Layered Ruddlesden-Popper Oxysulfide Perovskites with a High-Efficiency Carrier Transport Channel. Journal of Physical Chemistry Letters, 2023, 14, 9075-9081.	4.9	0
21	Exploration of the origin of the excellent charge-carrier dynamics in Ruddlesden-Popper oxysulfide perovskite $Y_{2}Ti_{2}O_{5}S_{2}$. Physical Chemistry Chemical Physics, 2023, 25, 32875-32882.	2.9	1
22	Multidimensional nanoscopic chiroptics. Nature Reviews Physics, 2022, 4, 113-124.	19.2	106
23	Characterization of UVB and UVA-340 Lamps and Determination of Their Effects on ER Stress and DNA Damage. Photochemistry and Photobiology, 2022, 98, 1140-1148.	2.6	4
24	Exploring the connection between ultraviolet/optical variations and radio emission in radio-quiet quasars: clues about the origin of radio emission. Monthly Notices of the Royal Astronomical Society, 2022, 512, 296-303.	4.6	3
25	Chiral Generation of Hot Carriers for Polarization-Sensitive Plasmonic Photocatalysis. Journal of the American Chemical Society, 2022, 144, 1663-1671.	14.6	55
26	Terahertz multi-dimensional imaging for nanoparticle-assisted therapeutics. , 2022, , .		0
27	Tailoring the optoelectronic properties of eco-friendly $CuGaS_{2}/ZnSe$ core/shell quantum dots for boosted photoelectrochemical solar hydrogen production. EcoMat, 2022, 4, .	12.0	26
28	Plasmonic Nanocrystals with Complex Shapes for Photocatalysis and Growth: Contrasting Anisotropic Hot-Electron Generation with the Photothermal Effect. Advanced Optical Materials, 2022, 10, .	7.9	21
29	Upcycling of biomass waste into photothermal superhydrophobic coating for efficient anti-icing and deicing. Materials Today Physics, 2022, 24, 100683.	6.3	30
30	Engineering Strongly Chiral Plasmonic Lattices with Achiral Unit Cells for Sensing and Photodetection. Advanced Optical Materials, 2022, 10, .	7.9	30
31	$\zeta_{\text{eff}}^{\text{TM}}$ of $Y_{2}Ti_{2}O_{5}S_{2}$ perovskite. Chinese Science Bulletin, 2022, , .	0.8	1
32	Ultraflexible Photothermal Superhydrophobic Coating with Multifunctional Applications Based on Plasmonic TiN Nanoparticles. Advanced Optical Materials, 2022, 10, .	7.9	24
33	Rational design of eco-friendly Mn-doped nonstoichiometric $CuInSe/ZnSe$ core/shell quantum dots for boosted photoelectrochemical efficiency. Nano Research, 2022, 15, 7614-7621.	10.6	17
34	DNA-Assembled Chiral Satellite-Core Nanoparticle Superstructures: Two-State Chiral Interactions from Dynamic and Static Conformations. Nano Letters, 2022, 22, 4784-4791.	9.5	14
35	Manipulation of Fluid Convection by Surface Lattice Resonance. Advanced Optical Materials, 2022, 10, .	7.9	8
36	048 Genetic obesity and pubertal disorders. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2022, 273, e19.	1.1	0

#	ARTICLE	IF	CITATIONS
37	Treatment completion among justice-involved youth engaged in behavioral health treatment studies in the United States: A systematic review and meta-analysis. <i>Journal of Clinical and Translational Science</i> , 2022, 6, .	0.7	2
38	Chiral Bioinspired Plasmonics: A Paradigm Shift for Optical Activity and Photochemistry. <i>ACS Photonics</i> , 2022, 9, 2219-2236.	6.9	34
39	Plasmonic photocatalysis in aqueous solution: assessing the contribution of thermal effects and evaluating the role of photogenerated ROS. <i>Nanoscale</i> , 2022, 14, 11612-11618.	5.8	6
40	Synergistic Combination of Charge Carriers and Energy-Transfer Processes in Plasmonic Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 35734-35744.	8.3	9
41	Onset of Chirality in Plasmonic Meta-Molecules and Dielectric Coupling. <i>ACS Nano</i> , 2022, 16, 16143-16149.	15.3	6
42	Flexible CdTe/MgCdTe Double-Heterostructure Solar Cells Made from Epitaxial Lift-off Thin Films. , 2022, , .		0
43	Nanolayered Tamm Plasmon-Based Multicolor Hot Electron Photodetection for O- and C-Band Telecommunication. <i>ACS Applied Electronic Materials</i> , 2021, 3, 639-650.	4.4	15
44	Ultrastable Plasmonic Cu-Based Core-Shell Nanoparticles. <i>Chemistry of Materials</i> , 2021, 33, 695-705.	7.1	33
45	Intensifying Heat Using MOF-Isolated Graphene for Solar-Driven Seawater Desalination at 98% Solar-Thermal Efficiency. <i>Advanced Functional Materials</i> , 2021, 31, 2008904.	16.5	103
46	Rational synthesis of novel "giant" CuInTeSe/CdS core/shell quantum dots for optoelectronics. <i>Nanoscale</i> , 2021, 13, 15301-15310.	5.8	5
47	Photoelectrochemical Methanol Oxidation Under Visible and UV Excitation of TiO ₂ -Supported TiN and ZrN Plasmonic Nanoparticles. <i>Journal of the Electrochemical Society</i> , 2021, 168, 016503.	2.9	9
48	Optimized Conductivity and Spin States in N-Doped LaCoO ₃ for Oxygen Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2447-2454.	8.3	41
49	Impact of Water Demand Pattern Variation on Hydraulic Behavior and Water Quality in Water Distribution Systems. <i>Aswan University Journal of Environmental Studies</i> , 2021, 2, 57-74.	0.2	1
50	A magnetorheological fluid based planetary gear transmission for mechanical power-flow control. <i>Smart Materials and Structures</i> , 2021, 30, 045013.	3.5	5
51	Visible light driven oxidation of harmful 2-Chloroethyl ethyl sulfide using SiO ₂ -TiO ₂ composite particles and air. <i>Colloids and Interface Science Communications</i> , 2021, 41, 100362.	4.3	7
52	Distance Dependence of Förster Resonance Energy Transfer Rates in 2D Perovskite Quantum Wells via Control of Organic Spacer Length. <i>Journal of the American Chemical Society</i> , 2021, 143, 4244-4252.	14.6	60
53	Hot Electron Generation through Near-Field Excitation of Plasmonic Nanoresonators. <i>ACS Photonics</i> , 2021, 8, 1243-1250.	6.9	6
54	Nanoantenna-Enhanced Light-Emitting Diodes: Fundamental and Recent Progress. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000367.	10.1	18

#	ARTICLE	IF	CITATIONS
55	Long- and short-ranged chiral interactions in DNA-assembled plasmonic chains. <i>Nature Communications</i> , 2021, 12, 2025.	13.2	51
56	Diagnostisches Next Generation Sequencing bei neonataler Erythrodermie. <i>JDDG - Journal of the German Society of Dermatology</i> , 2021, 19, 611-614.	0.7	0
57	Plasmonic hot-electron photodetection with quasi-bound states in the continuum and guided resonances. <i>Nanophotonics</i> , 2021, 10, 1911-1921.	6.3	20
58	Principles and guidelines in the management of ankle fractures in adults. <i>Journal of Perioperative Practice</i> , 2021, 31, 427-434.	0.6	12
59	Visible Light-Induced Reactivity of Plasmonic Gold Nanoparticles Incorporated into TiO ₂ Matrix towards 2-Chloroethyl Ethyl Sulfide. <i>Crystals</i> , 2021, 11, 659.	2.3	7
60	Theory of Plasmonic Excitations. , 2021, , 1-35.		1
61	Chiral Photomelting of DNA-Nanocrystal Assemblies Utilizing Plasmonic Photoheating. <i>Nano Letters</i> , 2021, 21, 7298-7308.	9.5	22
62	Investigation of fused remote N-heterocyclic silylenes (frNHSis), at DFT. <i>Journal of Molecular Modeling</i> , 2021, 27, 299.	1.9	0
63	Chiral Optofluidics with a Plasmonic Metasurface Using the Photothermal Effect. <i>ACS Nano</i> , 2021, 15, 16357-16367.	15.3	29
64	Broadband thin-film and metamaterial absorbers using refractory vanadium nitride and their thermal stability. <i>Optics Express</i> , 2021, 29, 33456.	3.4	22
65	SOP Paracetamolintoxikation. <i>Notaufnahme Up2date</i> , 2021, 03, 310-316.	0.1	0
66	Local Growth Mediated by Plasmonic Hot Carriers: Chirality from Achiral Nanocrystals Using Circularly Polarized Light. <i>Nano Letters</i> , 2021, 21, 10315-10324.	9.5	42
67	Introduction to IEEE 841-2020 for Severe Duty Squirrel Cage Induction Motors - Up To and Including 370 KW (500 HP). , 2021, , .		1
68	Interleukin-17 Cytokines and Receptors: Potential Amplifiers of Tendon Inflammation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 795830.	4.2	13
69	Plasmonic Chirality and Circular Dichroism in Bioassembled and Nonbiological Systems: Theoretical Background and Recent Progress. <i>Advanced Materials</i> , 2020, 32, e1801790.	24.3	98
70	Hybrid Plasmonic "Aerogel Materials as Optical Superheaters with Engineered Resonances. <i>Angewandte Chemie</i> , 2020, 132, 1713-1719.	2.1	9
71	Chiral Restructuring of Peptide Enantiomers on Gold Nanomaterials. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 2612-2620.	5.4	15
72	Broadband mid-infrared perfect absorber using fractal Gosper curve. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 105106.	2.9	26

#	ARTICLE	IF	CITATIONS
73	Hybrid Plasmonic "Aerogel Materials as Optical Superheaters with Engineered Resonances. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1696-1702.	14.8	15
74	Photophysical Effects behind the Efficiency of Hot Electron Injection in Plasmon-Assisted Catalysis: The Joint Role of Morphology and Composition. <i>ACS Energy Letters</i> , 2020, 5, 395-402.	18.4	39
75	Broadband Tamm plasmon-enhanced planar hot-electron photodetector. <i>Nanoscale</i> , 2020, 12, 23945-23952.	5.8	43
76	Special topic on emerging directions in plasmonics. <i>Journal of Chemical Physics</i> , 2020, 153, 010401.	3.1	8
77	Manipulating the Optoelectronic Properties of Quasi-type II $\text{CuInS}_2/\text{CdS}$ Core/Shell Quantum Dots for Photoelectrochemical Cell Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36277-36286.	8.3	29
78	Infektionsscreening in der Geburtshilfe. <i>Der Gynakologe</i> , 2020, 53, 689-697.	0.2	0
79	Efficiency of Hot-Electron Generation in Plasmonic Nanocrystals with Complex Shapes: Surface-Induced Scattering, Hot Spots, and Interband Transitions. <i>ACS Photonics</i> , 2020, 7, 2807-2824.	6.9	65
80	Identifying Performance-Limiting Deep Traps in Ta_3N_5 for Solar Water Splitting. <i>ACS Catalysis</i> , 2020, 10, 10316-10324.	11.7	78
81	Chiral Assembly of Gold "Silver Core" Shell Plasmonic Nanorods on DNA Origami with Strong Optical Activity. <i>ACS Nano</i> , 2020, 14, 7454-7461.	15.3	69
82	Experimental and Theoretical Observation of Photothermal Chirality in Gold Nanoparticle Helicoids. <i>ACS Nano</i> , 2020, 14, 4188-4195.	15.3	61
83	Planar hot-electron photodetector utilizing high refractive index MoS_2 in Fabry-Pérot perfect absorber. <i>Nanotechnology</i> , 2020, 31, 274001.	2.7	26
84	In_2Se_3 nanosheets for harmonic mode-locked fiber laser. <i>Nanotechnology</i> , 2020, 31, 295402.	2.7	15
85	Determining Plasmonic Hot Electrons and Photothermal Effects during H_2 Evolution with TiPt Nanohybrids. <i>ACS Catalysis</i> , 2020, 10, 5261-5271.	11.7	128
86	Rational design of colloidal core/shell quantum dots for optoelectronic applications. <i>Journal of Electronic Science and Technology</i> , 2020, 18, 100018.	3.7	25
87	Hot Electrons Generated in Chiral Plasmonic Nanocrystals as a Mechanism for Surface Photochemistry and Chiral Growth. <i>Journal of the American Chemical Society</i> , 2020, 142, 4193-4205.	14.6	59
88	How does mTOR sense glucose starvation? AMPK is the usual suspect. <i>Cell Death Discovery</i> , 2020, 6, 27.	4.8	63
89	Terahertz three-dimensional monitoring of nanoparticle-assisted laser tissue soldering. <i>Biomedical Optics Express</i> , 2020, 11, 2254.	3.0	18
90	Multitask deep-learning-based design of chiral plasmonic metamaterials. <i>Photonics Research</i> , 2020, 8, 1213.	6.9	66

#	ARTICLE	IF	CITATIONS
91	Multipole and multimode engineering in Mie resonance-based metastructures. <i>Nanophotonics</i> , 2020, 9, 1115-1137.	6.3	108
92	Temporal plasmonics: Fano and Rabi regimes in the time domain in metal nanostructures. <i>Nanophotonics</i> , 2020, 9, 3587-3595.	6.3	24
93	What is a plant disease?. , 2020, , 3-10.		2
94	1280: VALIDATION OF NATIONAL EARLY WARNING SCORE AND NEW SIMPLER PREDICTING MODEL IN JAPANESE POPULATION. <i>Critical Care Medicine</i> , 2020, 48, 617-617.	0.9	0
95	Search for long-lived neutral particles in pp collisions at $\sqrt{s} = 13\text{--}14\text{ TeV}$ that decay into displaced hadronic jets in the ATLAS calorimeter. <i>European Physical Journal C</i> , 2019, 79, 1.	4.0	29
96	The fast and the furious: Ultrafast hot electrons in plasmonic metastructures. Size and structure matter. <i>Nano Today</i> , 2019, 27, 120-145.	12.3	123
97	Fabrication of Anisotropic Silver Nanoplatelets on the Surface of TiO_2 Fibers for Enhanced Photocatalysis of a Chemical Warfare Agent Simulant, Methyl Paraoxon. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19579-19587.	3.3	17
98	Comparing Photoelectrochemical Methanol Oxidation Mechanisms for Gold versus Titanium Nitride Nanoparticles Dispersed in TiO_2 Matrix. <i>Journal of the Electrochemical Society</i> , 2019, 166, H485-H493.	2.9	17
99	Generation of hot electrons in nanostructures incorporating conventional and unconventional plasmonic materials. <i>Faraday Discussions</i> , 2019, 214, 199-213.	3.7	28
100	Generation of Hot Electrons with Chiral Metamaterial Perfect Absorbers: Giant Optical Chirality for Polarization-Sensitive Photochemistry. <i>ACS Photonics</i> , 2019, 6, 3241-3252.	6.9	68
101	DNA-Enabled Chiral Gold Nanoparticle-Chromophore Hybrid Structure with Resonant Plasmon-Exciton Coupling Gives Unusual and Strong Circular Dichroism. <i>Journal of the American Chemical Society</i> , 2019, 141, 19336-19341.	14.6	64
102	Electronic Structure of the Plasmons in Metal Nanocrystals: Fundamental Limitations for the Energy Efficiency of Hot Electron Generation. <i>ACS Energy Letters</i> , 2019, 4, 2552-2568.	18.4	110
103	Time-Resolved Temperature-Jump Measurements and Theoretical Simulations of Nanoscale Heat Transfer Using $\text{NaYF}_4:\text{Yb}^{3+}, \text{Er}^{3+}$ Upconverting Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3770-3780.	3.3	17
104	Gap-plasmon enhanced water splitting with ultrathin hematite films: the role of plasmonic-based light trapping and hot electrons. <i>Faraday Discussions</i> , 2019, 214, 283-295.	3.7	20
105	Chiral Plasmonic Nanocrystals for Generation of Hot Electrons: Toward Polarization-Sensitive Photochemistry. <i>Nano Letters</i> , 2019, 19, 1395-1407.	9.5	85
106	Chiral Plasmonic Nanostructures Enabled by Bottom-Up Approaches. <i>Annual Review of Physical Chemistry</i> , 2019, 70, 275-299.	11.3	107
107	Quantifying the photothermal conversion efficiency of plasmonic nanoparticles by means of terahertz radiation. <i>APL Photonics</i> , 2019, 4, .	5.5	37
108	Theory of Photo-Thermal Effects for Plasmonic Nanocrystals and Assemblies. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2019, , 5-22.	0.0	1

#	ARTICLE	IF	CITATIONS
109	Spectrally Resolved Ultrafast Exciton Transfer in Mixed Perovskite Quantum Wells. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 419-426.	4.9	79
110	Development of a radiomics nomogram based on the 2D and 3D CT features to predict the survival of non-small cell lung cancer patients. <i>European Radiology</i> , 2019, 29, 2196-2206.	4.6	114
111	Broadband Metamaterial Absorbers. <i>Advanced Optical Materials</i> , 2019, 7, 1800995.	7.9	439
112	Long-Range Plasmon-Assisted Chiral Interactions in Nanocrystal Assemblies. <i>ACS Photonics</i> , 2019, 6, 749-756.	6.9	16
113	Marina Operator Liability Insurance in Croatian and Slovenian Law and Practice. <i>Transactions on Maritime Science</i> , 2019, 8, 109-122.	0.7	2
114	Strong Quantum Confinement Effects and Chiral Excitons in Bio-Inspired ZnO@Amino Acid Cocrystals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6348-6356.	3.3	15
115	Plasmonic Glasses and Films Based on Alternative Inexpensive Materials for Blocking Infrared Radiation. <i>Nano Letters</i> , 2018, 18, 3147-3156.	9.5	48
116	Photothermal Circular Dichroism Induced by Plasmon Resonances in Chiral Metamaterial Absorbers and Bolometers. <i>Nano Letters</i> , 2018, 18, 2001-2008.	9.5	139
117	Traveling Hot Spots in Plasmonic Photocatalysis: Manipulating Interparticle Spacing for Real-Time Control of Electron Injection. <i>ChemCatChem</i> , 2018, 10, 1561-1565.	3.8	21
118	Towards enhancing photocatalytic hydrogen generation: Which is more important, alloy synergistic effect or plasmonic effect?. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 77-85.	20.7	64
119	Near-Infrared, Heavy Metal-Free Colloidal Giant-Core/Shell Quantum Dots. <i>Advanced Energy Materials</i> , 2018, 8, 1701432.	22.2	99
120	Controlling Metamaterial Transparency with Superchiral Fields. <i>ACS Photonics</i> , 2018, 5, 535-543.	6.9	49
121	Highly Efficient Copper Sulfide-Based Near-Infrared Photothermal Agents: Exploring the Limits of Macroscopic Heat Conversion. <i>Small</i> , 2018, 14, e1803282.	11.2	56
122	Circular Dichroism of Chiral Molecules in DNA-Assembled Plasmonic Hotspots. <i>ACS Nano</i> , 2018, 12, 9110-9115.	15.3	114
123	A facile route to magnetic mesoporous core-shell structured silicas containing covalently bound cyclodextrins for the removal of the antibiotic doxycycline from water. <i>RSC Advances</i> , 2018, 8, 31348-31357.	3.7	30
124	Association between male Infertility and seminal plasma levels of growth hormone and insulin-like growth factor-1. <i>Andrologia</i> , 2018, 50, e13048.	2.1	5
125	Tunable Nonthermal Distribution of Hot Electrons in a Semiconductor Injected from a Plasmonic Gold Nanostructure. <i>ACS Nano</i> , 2018, 12, 7117-7126.	15.3	69
126	Optoelectronic Properties in Near-Infrared Colloidal Heterostructured Pyramidal Giant-Core/Shell Quantum Dots. <i>Advanced Science</i> , 2018, 5, 1800656.	12.4	72

#	ARTICLE	IF	CITATIONS
127	Metamaterial perfect absorber with unabated size-independent absorption. Optics Express, 2018, 26, 20471.	3.4	67
128	NIR Fluorescent AzaBODIPY-Based Probe for the Specific Detection of Lysine. ChemistrySelect, 2018, 3, 7581-7585.	1.6	14
129	Determination of hot carrier energy distributions from inversion of ultrafast pump-probe reflectivity measurements. Nature Communications, 2018, 9, 1853.	13.2	75
130	DNA-Guided Plasmonic Helix with Switchable Chirality. Journal of the American Chemical Society, 2018, 140, 11763-11770.	14.6	143
131	Size-dependent longitudinal plasmon resonance wavelength and extraordinary scattering properties of Au nanopyramids. Nanotechnology, 2018, 29, 355402.	2.7	26
132	Cucurbituril mediated single molecule detection and identification via recognition tunneling. Nanotechnology, 2018, 29, 365501.	2.7	27
133	USEFULNESS AND EFFICACY OF RETROFLEXION IN THE ASCENDING COLON DURING COLONOSCOPY. Endoscopy, 2018, 50, .	1.7	0
134	Novidades Editoriais. Revista Eclesiástica Brasileira, 2018, 73, 265-266.	0.0	0
135	Cooperative expression of atomic chirality in inorganic nanostructures. Nature Communications, 2017, 8, 14312.	13.2	100
136	Broadband Hot-Electron Collection for Solar Water Splitting with Plasmonic Titanium Nitride. Advanced Optical Materials, 2017, 5, 1601031.	7.9	265
137	Simple and Complex Metafluids and Metastructures with Sharp Spectral Features in a Broad Extinction Spectrum: Particle-Particle Interactions and Testing the Limits of the Beer-Lambert Law. Journal of Physical Chemistry C, 2017, 121, 2987-2997.	3.3	9
138	Aluminum Nanoparticles with Hot Spots for Plasmon-Induced Circular Dichroism of Chiral Molecules in the UV Spectral Interval. Advanced Optical Materials, 2017, 5, 1700069.	7.9	45
139	Study and analysis of the piezoresistive accelerometer stability and improvement of their performances. International Journal of Systems Assurance Engineering and Management, 2017, 8, 1520-1526.	2.4	19
140	Hotspot-mediated non-dissipative and ultrafast plasmon passage. Nature Physics, 2017, 13, 761-765.	11.8	103
141	Structure-function studies of acinetobactin analogs. Metallomics, 2017, 9, 463-470.	2.5	26
142	Convenient KI-catalyzed regioselective synthesis of 2-sulfonylindoles using water as solvent. New Journal of Chemistry, 2017, 41, 4277-4280.	2.7	11
143	What's so Hot about Electrons in Metal Nanoparticles?. ACS Energy Letters, 2017, 2, 1641-1653.	18.4	367
144	InGaAs and GaAs quantum dot solar cells grown by droplet epitaxy. Solar Energy Materials and Solar Cells, 2017, 161, 377-381.	6.3	40

#	ARTICLE	IF	CITATIONS
145	Understanding Hot-Electron Generation and Plasmon Relaxation in Metal Nanocrystals: Quantum and Classical Mechanisms. ACS Photonics, 2017, 4, 2759-2781.	6.9	258
146	Effects of Plasmonic Metal Core -Dielectric Shell Nanoparticles on the Broadband Light Absorption Enhancement in Thin Film Solar Cells. Scientific Reports, 2017, 7, 7696.	3.4	105
147	Chiroplasmonic DNA-based nanostructures. Nature Reviews Materials, 2017, 2, .	40.2	123
148	Mid-infrared Plasmonic Circular Dichroism Generated by Graphene Nanodisk Assemblies. Nano Letters, 2017, 17, 5099-5105.	9.5	21
149	Terahertz Thermometry: Combining Hyperspectral Imaging and Temperature Mapping at Terahertz Frequencies. Laser and Photonics Reviews, 2017, 11, 1600342.	10.1	26
150	Chirality and Nanophotonics. Advanced Optical Materials, 2017, 5, 1700501.	7.9	5
151	Superchiral Plasmonic Phase Sensitivity for Fingerprinting of Protein Interface Structure. ACS Nano, 2017, 11, 12049-12056.	15.3	62
152	Near-Infrared Plasmonic Copper Nanocups Fabricated by Template-Assisted Magnetron Sputtering. ACS Photonics, 2017, 4, 2881-2890.	6.9	14
153	Enhanced generation and anisotropic Coulomb scattering of hot electrons in an ultra-broadband plasmonic nanopatch metasurface. Nature Communications, 2017, 8, 986.	13.2	58
154	Development of a New Care Model for Hospitalized Children With Medical Complexity. Hospital Pediatrics, 2017, 7, 410-414.	1.4	29
155	Plasmonic Nanostars with Hot Spots for Efficient Generation of Hot Electrons under Solar Illumination. Advanced Optical Materials, 2017, 5, .	7.9	87
156	Blade health monitoring of gas turbine using online crack detection. , 2017, , .		1
157	Efficient Lane Detection Using Deep Lane Feature Extraction Method. SAE International Journal of Passenger Cars - Electronic and Electrical Systems, 2017, 11, 57-66.	0.3	4
158	Multi-dimensional Imaging in the Terahertz Regime for Theranostic Applications. , 2017, , .		0
159	Near Infrared, Highly Efficient Luminescent Solar Concentrators. Advanced Energy Materials, 2016, 6, 1501913.	22.2	176
160	Spatial control of chemical processes on nanostructures through nano-localized water heating. Nature Communications, 2016, 7, 10946.	13.2	39
161	Orientation-Sensitive Peptide-Induced Plasmonic Circular Dichroism in Silver Nanocubes. Journal of Physical Chemistry C, 2016, 120, 12751-12756.	3.3	36
162	Boosting Hot Electron-Driven Photocatalysis through Anisotropic Plasmonic Nanoparticles with Hot Spots in Au@TiO ₂ Nanoarchitectures. Journal of Physical Chemistry C, 2016, 120, 11690-11699.	3.3	208

#	ARTICLE	IF	CITATIONS
163	Localization of Excess Temperature Using Plasmonic Hot Spots in Metal Nanostructures: Combining Nano-Optical Antennas with the Fano Effect. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13215-13226.	3.3	68
164	Amplified Generation of Hot Electrons and Quantum Surface Effects in Nanoparticle Dimers with Plasmonic Hot Spots. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19329-19339.	3.3	119
165	DNA Scaffolds for the Dictated Assembly of Left-/Right-Handed Plasmonic Au NP Helices with Programmed Chiro-Optical Properties. <i>Journal of the American Chemical Society</i> , 2016, 138, 9895-9901.	14.6	48
166	Broadband Absorbing Exciton-Plasmon Metafluids with Narrow Transparency Windows. <i>Nano Letters</i> , 2016, 16, 1472-1477.	9.5	24
167	A light-driven three-dimensional plasmonic nanosystem that translates molecular motion into reversible chiroptical function. <i>Nature Communications</i> , 2016, 7, 10591.	13.2	270
168	Chiroptical activity in colloidal quantum dots coated with achiral ligands. <i>Optics Express</i> , 2016, 24, A65.	3.4	7
169	Terametry and Plasmonic Nanoparticle Imaging for Temperature-Sensing in the Terahertz Regime. , 2016, , .		0
170	Interview with G. Steven Farris. <i>The Way Ahead</i> , 2015, 11, 8-19.	0.2	5
171	Enhanced Luminescence, Collective Heating, and Nanothermometry in an Ensemble System Composed of Lanthanide-Doped Upconverting Nanoparticles and Gold Nanorods. <i>Advanced Optical Materials</i> , 2015, 3, 1606-1613.	7.9	55
172	Kinetic Density Functional Theory for Plasmonic Nanostructures: Breaking of the Plasmon Peak in the Quantum Regime and Generation of Hot Electrons. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6181-6194.	3.3	71
173	DNA-Assembled Nanoparticle Rings Exhibit Electric and Magnetic Resonances at Visible Frequencies. <i>Nano Letters</i> , 2015, 15, 1368-1373.	9.5	110
174	Broadband efficiency enhancement in quantum dot solar cells coupled with multispiked plasmonic nanostars. <i>Nano Energy</i> , 2015, 13, 827-835.	16.5	70
175	Fractal Nanoparticle Plasmonics: The Cayley Tree. <i>ACS Nano</i> , 2015, 9, 3284-3292.	15.3	99
176	Anomalous ultrafast dynamics of hot plasmonic electrons in nanostructures with hot spots. <i>Nature Nanotechnology</i> , 2015, 10, 770-774.	30.5	265
177	Resolution and identification of co-eluting alkylphenols in comprehensive two-dimensional gas chromatography-mass spectrometry by multivariate curve resolution-alternating least squares. <i>Journal of Chemometrics</i> , 2015, 29, 237-244.	1.4	6
178	Hot plasmonic electrons for generation of enhanced photocurrent in gold-TiO ₂ nanocomposites. <i>Nanoscale Research Letters</i> , 2015, 10, 38.	5.9	44
179	Picosecond energy transfer and multiexciton transfer outpaces Auger recombination in binary CdSe nanoplatelet solids. <i>Nature Materials</i> , 2015, 14, 484-489.	26.6	218
180	Harvesting Lost Photons: Plasmon and Upconversion Enhanced Broadband Photocatalytic Activity in Core@Shell Microspheres Based on Lanthanide-Doped NaYF ₄ , TiO ₂ , and Au. <i>Advanced Functional Materials</i> , 2015, 25, 2950-2960.	16.5	269

#	ARTICLE	IF	CITATIONS
181	Circularly polarized light detection with hot electrons in chiral plasmonic metamaterials. <i>Nature Communications</i> , 2015, 6, 8379.	13.2	576
182	Are Forward Designed or Reverse-Engineered UML diagrams more helpful for code maintenance?: A family of experiments. <i>Information and Software Technology</i> , 2015, 57, 644-663.	4.7	29
183	Pressure Corrections for the Potential Flow Analysis of Electrohydrodynamic Kelvin-Helmholtz Instability. <i>Journal of Applied Fluid Mechanics</i> , 2015, 8, 539-547.	0.2	0
184	3D plasmonic chiral colloids. <i>Nanoscale</i> , 2014, 6, 2077.	5.8	100
185	Optophotonics with coupled quantum dots. <i>Nature Communications</i> , 2014, 5, 3299.	13.2	27
186	Photogeneration of hot plasmonic electrons with metal nanocrystals: Quantum description and potential applications. <i>Nano Today</i> , 2014, 9, 85-101.	12.3	283
187	Optical Generation of Hot Plasmonic Carriers in Metal Nanocrystals: The Effects of Shape and Field Enhancement. <i>Journal of Physical Chemistry C</i> , 2014, 118, 7606-7614.	3.3	185
188	Förster-Type Nonradiative Energy Transfer for Assemblies of Arrayed Nanostructures: Confinement Dimension vs Stacking Dimension. <i>Journal of Physical Chemistry C</i> , 2014, 118, 4951-4958.	3.3	28
189	Cation exchange synthesis and optoelectronic properties of type II CdTe/Cu ₂ xTe nano-heterostructures. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3189.	5.6	29
190	Theory of Quantum Plasmon Resonances in Doped Semiconductor Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16035-16042.	3.3	64
191	Hierarchical synthesis of non-centrosymmetric hybrid nanostructures and enabled plasmon-driven photocatalysis. <i>Nature Communications</i> , 2014, 5, 4792.	13.2	111
192	Plasmonic Metamaterials and Nanocomposites with the Narrow Transparency Window Effect in Broad Extinction Spectra. <i>ACS Photonics</i> , 2014, 1, 822-832.	6.9	16
193	Reconfigurable 3D plasmonic metamolecules. <i>Nature Materials</i> , 2014, 13, 862-866.	26.6	605
194	Comparison of Vapor Formation of Water at the Solid/Water Interface to Colloidal Solutions Using Optically Excited Gold Nanostructures. <i>ACS Nano</i> , 2014, 8, 1439-1448.	15.3	49
195	Enantioselective control of lattice and shape chirality in inorganic nanostructures using chiral biomolecules. <i>Nature Communications</i> , 2014, 5, 4302.	13.2	200
196	Excitonics of semiconductor quantum dots and wires for lighting and displays. <i>Laser and Photonics Reviews</i> , 2014, 8, 73-93.	10.1	68
197	Amplification of Chiroptical Activity of Chiral Biomolecules by Surface Plasmons. <i>Nano Letters</i> , 2013, 13, 1203-1209.	9.5	215
198	Optical Properties of Chiral Plasmonic Tetramers: Circular Dichroism and Multipole Effects. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14770-14777.	3.3	71

#	ARTICLE	IF	CITATIONS
199	Theory of Photoinjection of Hot Plasmonic Carriers from Metal Nanostructures into Semiconductors and Surface Molecules. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16616-16631.	3.3	521
200	Chiral Plasmonic Nanostructures on Achiral Nanopillars. <i>Nano Letters</i> , 2013, 13, 5277-5283.	9.5	127
201	Enantioselective Synthesis of Intrinsically Chiral Mercury Sulfide Nanocrystals. <i>Angewandte Chemie</i> , 2013, 125, 1313-1317.	2.1	28
202	Enantioselective Synthesis of Intrinsically Chiral Mercury Sulfide Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1275-1279.	14.8	132
203	Confinement and Interaction of Single Indirect Excitons in a Voltage-Controlled Trap Formed Inside Double InGaAs Quantum Wells. <i>Physical Review Letters</i> , 2013, 110, 127403.	8.0	73
204	Chiroptical Activity in Silver Cholate Nanostructures Induced by the Formation of Nanoparticle Assemblies. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22240-22244.	3.3	48
205	Chirality and chiroptical effects in inorganic nanocrystal systems with plasmon and exciton resonances. <i>Chemical Society Reviews</i> , 2013, 42, 7028.	40.3	319
206	Discrete Nanocubes as Plasmonic Reporters of Molecular Chirality. <i>Nano Letters</i> , 2013, 13, 3145-3151.	9.5	181
207	Generalized Theory of Förster-Type Nonradiative Energy Transfer in Nanostructures with Mixed Dimensionality. <i>Journal of Physical Chemistry C</i> , 2013, 117, 10203-10212.	3.3	55
208	Optically-active hybrid nanostructures: Injection of hot plasmonic electrons, exciton-plasmon interaction, chirality and related applications. , 2013, , .		0
209	Modelling of photo-thermal control of biological cellular oscillators. <i>European Physical Journal: Special Topics</i> , 2013, 222, 2697-2704.	2.6	5
210	Spin displacements of a Gaussian beam at an airâ€“multilayer-film interface. <i>Physical Review A</i> , 2013, 88, .	2.5	25
211	Giant circular dichroism of a molecule in a region of strong plasmon resonances between two neighboring gold nanocrystals. <i>Physical Review B</i> , 2013, 87, .	3.3	141
212	Powering the programmed nanostructure and function of gold nanoparticles with catenated DNA machines. <i>Nature Communications</i> , 2013, 4, 2000.	13.2	130
213	Chiral plasmonic DNA nanostructures with switchable circular dichroism. <i>Nature Communications</i> , 2013, 4, 2948.	13.2	295
214	Coherent Comb-based Spectroscopy in the Mid and Near-infrared. , 2013, , .		0
215	Plasmonic Chiroptical Response of Silver Nanoparticles Interacting with Chiral Supramolecular Assemblies. <i>Journal of the American Chemical Society</i> , 2012, 134, 17807-17813.	14.6	146
216	Induced Chirality through Electromagnetic Coupling between Chiral Molecular Layers and Plasmonic Nanostructures. <i>Nano Letters</i> , 2012, 12, 977-983.	9.5	206

#	ARTICLE	IF	CITATIONS
217	Photothermal Effect of Plasmonic Nanoparticles and Related Bioapplications. , 2012, , 455-475.		3
218	DNA-based self-assembly of chiral plasmonic nanostructures with tailored optical response. Nature, 2012, 483, 311-314.	36.2	1,916
219	Chiral Nanocrystals: Plasmonic Spectra and Circular Dichroism. Nano Letters, 2012, 12, 3283-3289.	9.5	171
220	Theory of Chiral Plasmonic Nanostructures Comprising Metal Nanocrystals and Chiral Molecular Media. ChemPhysChem, 2012, 13, 2551-2560.	2.3	160
221	Photostimulated Au Nanoheaters in Polymer and Biological Media: Characterization of Mechanical Destruction and Boiling. Advanced Functional Materials, 2012, 22, 294-303.	16.5	61
222	Plasmon-induced CD response of oligonucleotide-conjugated metal nanoparticles. Chemical Communications, 2011, 47, 7383.	4.2	83
223	Plasmonic Circular Dichroism of Peptide-Functionalized Gold Nanoparticles. Nano Letters, 2011, 11, 701-705.	9.5	362
224	Plexciton Dynamics: Exciton-Plasmon Coupling in a J-Aggregate-Au Nanoshell Complex Provides a Mechanism for Nonlinearity. Nano Letters, 2011, 11, 1556-1560.	9.5	267
225	Plasmon-Induced Circular Dichroism of a Chiral Molecule in the Vicinity of Metal Nanocrystals. Application to Various Geometries. Journal of Physical Chemistry C, 2011, 115, 7914-7923.	3.3	207
226	Quantum theory of the nonlinear Fano effect in hybrid metal-semiconductor nanostructures: The case of strong nonlinearity. Physical Review B, 2011, 84, .	3.3	92
227	Optical properties of hybrid nanostructures: exciton-plasmon interaction, Fano effect, and plasmon-induced chirality. , 2011, , .		0
228	Chiral nanoparticle assemblies: circular dichroism, plasmonic interactions, and exciton effects. Journal of Materials Chemistry, 2011, 21, 16806.	6.7	232
229	Helical Metal Nanoparticle Assemblies with Defects: Plasmonic Chirality and Circular Dichroism. Journal of Physical Chemistry C, 2011, 115, 13254-13261.	3.3	130
230	Plasmon induced modifications of the Förster energy transfer in reconstituted peridinin-chlorophyll-protein photosynthetic complex. Materials Research Society Symposia Proceedings, 2011, 1286, 24.	0.1	1
231	Thermomechanical control of electronic coupling in quantum dot solids. Journal of Applied Physics, 2010, 107, 123516.	2.3	14
232	Plasmonic Circular Dichroism of Chiral Metal Nanoparticle Assemblies. Nano Letters, 2010, 10, 2580-2587.	9.5	444
233	Fluorescent Quantum Dots as Artificial Antennas for Enhanced Light Harvesting and Energy Transfer to Photosynthetic Reaction Centers. Angewandte Chemie, 2010, 122, 7375-7379.	2.1	6
234	Many-body exciton states in self-assembled quantum dots coupled to a Fermi sea. Nature Physics, 2010, 6, 534-538.	11.8	52

#	ARTICLE	IF	CITATIONS
235	Mechanisms of plant adaptation/memory in rice seedlings under arsenic and heat stress: expression of heat-shock protein gene HSP70. <i>AoB PLANTS</i> , 2010, 2010, plq023.	2.4	27
236	Plasmon-induced Purcell effect in InN/In metal-semiconductor nanocomposites. <i>Physical Review B</i> , 2010, 82, .	3.3	21
237	Theory of Circular Dichroism of Nanomaterials Comprising Chiral Molecules and Nanocrystals: Plasmon Enhancement, Dipole Interactions, and Dielectric Effects. <i>Nano Letters</i> , 2010, 10, 1374-1382.	9.5	580
238	Solvent Effect in Dynamic Superstructures from Au Nanoparticles and CdTe Nanowires: Experimental Observation and Theoretical Description. <i>Journal of Physical Chemistry C</i> , 2010, 114, 1404-1410.	3.3	11
239	Broad Band Enhancement of Light Absorption in Photosystem I by Metal Nanoparticle Antennas. <i>Nano Letters</i> , 2010, 10, 2069-2074.	9.5	124
240	Semiconductor-metal nanoparticle molecules in a magnetic field: Spin-plasmon and exciton-plasmon interactions. <i>Physical Review B</i> , 2010, 82, .	3.3	36
241	Measurement of coherent tunneling between InGaAs quantum wells and InAs quantum dots using photoluminescence spectroscopy. <i>Physical Review B</i> , 2010, 82, .	3.3	26
242	Thermal Transport Properties of Nanostructures Immobilized Substrates. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1172, 7.	0.1	0
243	Thermal Effects of Colloidal Suspensions of Au Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1172, 60.	0.1	8
244	Metal-Enhanced Fluorescence of Chlorophylls in Single Light-Harvesting Complexes. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1208, 1.	0.1	0
245	“Klassieke risicofactoren voor hart- en vaatziekten hebben bij ouderen geen voorspellende waarde”™. <i>Huisarts En Wetenschap</i> , 2009, 52, 324-325.	0.1	2
246	Experimental and Theoretical Studies of Light-to-Heat Conversion and Collective Heating Effects in Metal Nanoparticle Solutions. <i>Nano Letters</i> , 2009, 9, 1139-1146.	9.5	617
247	Photoactivated Biotemplated Nanoparticles as an Enzyme Mimic. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5335-5339.	14.8	55
248	Enhanced Optical Properties of a Photosynthetic System Conjugated with Semiconductor Nanoparticles: The Role of Förster Transfer. <i>Advanced Materials</i> , 2008, 20, 4330-4335.	24.3	31
249	The nonlinear Fano effect. <i>Nature</i> , 2008, 451, 311-314.	36.2	206
250	Optical properties of coupled metal-semiconductor and metal-molecule nanocrystal complexes: Role of multipole effects. <i>Physical Review B</i> , 2008, 77, .	3.3	212
251	Metal-Enhanced Fluorescence of Chlorophylls in Single Light-Harvesting Complexes. <i>Nano Letters</i> , 2008, 8, 558-564.	9.5	149
252	Exciton energy transfer between nanoparticles and nanowires. <i>Physical Review B</i> , 2008, 78, .	3.3	57

#	ARTICLE	IF	CITATIONS
253	Optical Emission and Energy Transfer in Nanoparticle~Nanorod Assemblies: Potential Energy Pump System for Negative Refractive Index Materials. Journal of Physical Chemistry C, 2008, 112, 18314-18320.	3.3	27
254	Coherent Aharonov-Bohm oscillations in type-II (Zn,Mn)Te/ZnSe quantum dots. Physical Review B, 2008, 77, .	3.3	16
255	Childhood Predictors of Military Fitness: A Prospective, Community-Based, Follow-up Study from Age 8 to Age 18. Military Medicine, 2008, 173, 146-154.	0.9	10
256	The differential effect of restraint stress on early markers of atherosclerosis in male and female Apolipoprotein E null mice. FASEB Journal, 2008, 22, 68-68.	0.5	0
257	Electronic states in a magnetic quantum-dot molecule: Instabilities and spontaneous symmetry breaking. Physical Review B, 2007, 76, .	3.3	11
258	Theory of plasmon-enhanced Förster energy transfer in optically excited semiconductor and metal nanoparticles. Physical Review B, 2007, 76, .	3.3	239
259	Optical Aharonov-Bohm effect in stacked type-II quantum dots. Physical Review B, 2007, 76, .	3.3	66
260	Hybrid Structures Composed of Photosynthetic System and Metal Nanoparticles:~ Plasmon Enhancement Effect. Nano Letters, 2007, 7, 620-625.	9.5	271
261	Resonant Excitation and Imaging of Nonequilibrium Exciton Spins in Single Core~Shell GaAs~AlGaAs Nanowires. Nano Letters, 2007, 7, 588-595.	9.5	41
262	Generating heat with metal nanoparticles. Nano Today, 2007, 2, 30-38.	12.3	1,185
263	Exciton~plasmon interactions in molecular spring assemblies of nanowires and wavelength-based protein detection. Nature Materials, 2007, 6, 291-295.	26.6	316
264	Thermo-optical Responses of Nanoparticles: Melting of Ice and Nanocalorimetry Approach. Journal of Electronic Materials, 2007, 36, 1587-1593.	2.2	27
265	Thermooptical Properties of Gold Nanoparticles Embedded in Ice:~ Characterization of Heat Generation and Melting. Nano Letters, 2006, 6, 783-788.	9.5	257
266	Exciton~Plasmon Interaction and Hybrid Excitons in Semiconductor~Metal Nanoparticle Assemblies. Nano Letters, 2006, 6, 984-994.	9.5	484
267	Semiconductor-Metal Nanoparticle Molecules: Hybrid Excitons and the Nonlinear Fano Effect. Physical Review Letters, 2006, 97, 146804.	8.0	505
268	Effects of neck muscles vibration on the perception of the head and trunk midline position. Experimental Brain Research, 2006, 170, 136-140.	1.5	26
269	Gold nanoparticle ensembles as heaters and actuators: melting and collective plasmon resonances. Nanoscale Research Letters, 2006, 1, 84-90.	5.9	589
270	Bioconjugated Ag Nanoparticles and CdTe Nanowires: Metamaterials with Field-Enhanced Light Absorption. Angewandte Chemie - International Edition, 2006, 45, 4819-4823.	14.8	114

#	ARTICLE	IF	CITATIONS
271	Bioconjugated Ag Nanoparticles and CdTe Nanowires: Metamaterials with Field-Enhanced Light Absorption. <i>Angewandte Chemie</i> , 2006, 118, 4937-4941.	2.1	21
272	Thermo-optical Properties of Nanoparticles and Nanoparticle Complexes Embedded in Ice: Characterization of Heat Generation and Actuation of Larger-scale Effects. <i>Materials Research Society Symposia Proceedings</i> , 2006, 964, 1.	0.1	3
273	Nanoparticle Assemblies with Molecular Springs: A Nanoscale Thermometer. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7439-7442.	14.8	188
274	Nanoparticle Assemblies with Molecular Springs: A Nanoscale Thermometer. <i>Angewandte Chemie</i> , 2005, 117, 7605-7608.	2.1	70
275	Effects of in Planta gamma-irradiation on growth, photosynthesis, and antioxidative capacity of red pepper (<i>Capsicum annuum</i> L.) plants. <i>Journal of Plant Biology</i> , 2005, 48, 47-56.	2.2	125
276	Dark exciton decay dynamics of a semiconductor quantum dot. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 2591-2597.	1.9	18
277	Dynamics of Bright and Dark Excitons in a Self-Assembled Quantum Dot. <i>AIP Conference Proceedings</i> , 2005, , .	1.0	0
278	Spin-Dependent Coupling Of Charged Excitons In Quantum Dots With Continuum States. <i>AIP Conference Proceedings</i> , 2005, , .	1.0	0
279	Assembly of Nanomaterials using Polymers and Biomaterials: Sensing and Electronic Applications. <i>Materials Research Society Symposia Proceedings</i> , 2005, 901, 1.	0.1	1
280	Spin polarized photocurrent from a single quantum dot. <i>AIP Conference Proceedings</i> , 2005, , .	1.0	3
281	Population Inversion and Coherent Phonon Emission in a Biased Quantum Dot System Placed in an Acoustic Cavity. <i>AIP Conference Proceedings</i> , 2005, , .	1.0	0
282	Spin-Förster transfer in optically excited quantum dots. <i>Physical Review B</i> , 2005, 71, .	3.3	53
283	Bioconjugated Superstructures of CdTe Nanowires and Nanoparticles: A Multistep Cascade Förster Resonance Energy Transfer and Energy Channeling. <i>Nano Letters</i> , 2005, 5, 2063-2069.	9.5	159
284	Optical properties of a semiconductor quantum dot with a single magnetic impurity: photoinduced spin orientation. <i>Physical Review B</i> , 2005, 71, .	3.3	98
285	Spin-dependent transport of electrons in the presence of a smooth lateral potential and spin-orbit interaction. <i>Physical Review B</i> , 2004, 70, .	3.3	21
286	Hydrodynamic Effects in Interacting Fermi Electron Jets. <i>Physical Review Letters</i> , 2004, 92, 026803.	8.0	45
287	Impurity effects on the Aharonov-Bohm optical signatures of neutral quantum-ring magnetoexcitons. <i>Physical Review B</i> , 2004, 70, .	3.3	57
288	Hybridization of electronic states in quantum dots through photon emission. <i>Nature</i> , 2004, 427, 135-138.	36.2	115

#	ARTICLE	IF	CITATIONS
289	Electronic quantum dot states induced through photon emission. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 2079-2093.	0.8	0
290	Charged donors in quantum dots: Finite difference and fractional dimensions results. <i>Physical Review B</i> , 2004, 69, .	3.3	23
291	Coherent control of tunneling in a quantum dot molecule. <i>Physical Review B</i> , 2004, 69, .	3.3	227
292	Magnetic properties of charged excitons in self-assembled quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 238, 293-296.	1.6	4
293	Kondo excitons in self-assembled quantum dots. <i>Physical Review B</i> , 2003, 67, .	3.3	22
294	Charged Excitons in Self-assembled Quantum Dots. <i>Materials Research Society Symposia Proceedings</i> , 2002, 737, 75.	0.1	1
295	Kondo-excitons and Auger processes in self-assembled quantum dots. <i>Materials Research Society Symposia Proceedings</i> , 2002, 737, 86.	0.1	1
296	Holstein polarons in a strong electric field: Delocalized and stretched states. <i>Physical Review B</i> , 2002, 66, .	3.3	7
297	PEDIATRICS???WEIGHT TRAINING AND RHABDOMYOLYSIS. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, S45.	0.4	0
298	HUMAN SKELETAL MUSCLE MYOSIN HEAVY CHAIN EXPRESSION IN RESPONSE TO STRENGTH TRAINING. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, S120.	0.4	0
299	Calculated Superconducting Gap Dependence on Doping in Single Layered Copper Oxides. <i>Journal De Physique</i> , I, 1995, 5, 517-524.	1.2	4
300	Optical measurements of the superconducting gap in single-crystal K3C60 and Rb3C60. <i>Nature</i> , 1994, 369, 541-543.	36.2	54
301	Inhibition of Anaphylactic Release of Vascular Permeability Factor or Histamine by Specific Protease Inhibitor in Tissue Culture. <i>Nature</i> , 1965, 208, 1007-1008.	36.2	5
302	Hotspot-mediated non-dissipative and ultrafast plasmon passage. <i>Nature Physics</i> , 0, .	11.8	1
303	Mie Sensing with Neural Networks: Recognition of Nano-Object Parameters, the Invisibility Point, and Restricted Models. <i>Advanced Theory and Simulations</i> , 0, , 2100369.	2.9	3
304	Metal-Organic Frameworks Photocatalyst Through Plasmon-Induced Hot-Electrons. <i>Advanced Functional Materials</i> , 0, , .	16.5	0
305	Electromagnetic Enantiomer: Chiral Nanophotonic Cavities for Inducing Chemical Asymmetry. <i>ACS Nano</i> , 0, , .	15.3	0
306	Chiral Symmetry Breaking in Colloidal Metal Nanoparticle Solutions by Circularly Polarized Light. <i>ACS Nano</i> , 0, , .	15.3	0