

David L Andrews

List of Publications by Year in descending order

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299
papers

6,093
citations

87888

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times ranked

3573
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#	ARTICLE	IF	CITATIONS
1	500-Fold Amplification of Small Molecule Circularly Polarised Luminescence through Circularly Polarised FRET. <i>Angewandte Chemie</i> , 2021, 133, 224-229.	2.0	41
2	500-Fold Amplification of Small Molecule Circularly Polarised Luminescence through Circularly Polarised FRET. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 222-227.	13.8	108
3	Quantum features of structured light. , 2021, , 77-93.		1
4	Orbital angular momentum of twisted light: chirality and optical activity. <i>JPhys Photonics</i> , 2021, 3, 022007.	4.6	59
5	Symmetry and Quantum Features in Optical Vortices. <i>Symmetry</i> , 2021, 13, 1368.	2.2	12
6	Optical Activity in Third-Harmonic Rayleigh Scattering: A New Route for Measuring Chirality. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100235.	8.7	17
7	Optical binding of nanoparticles. <i>Nanophotonics</i> , 2020, 9, 1-17.	6.0	39
8	Impact of a charged neighboring particle on Förster resonance energy transfer (FRET). <i>Journal of Physics Condensed Matter</i> , 2020, 32, 095305.	1.8	5
9	Irreducible Cartesian Tensor Analysis of Harmonic Scattering from Chiral Fluids. <i>Symmetry</i> , 2020, 12, 1466.	2.2	8
10	Quantum field representation of photon-molecule interactions. <i>European Journal of Physics</i> , 2020, 41, 025406.	0.6	5
11	Conceptualization of the photon for quanta of structured light. , 2020, , .		1
12	Quantum electrodynamics in modern optics and photonics: tutorial. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020, 37, 1153.	2.1	35
13	Influence of chirality on fluorescence and resonance energy transfer. <i>Journal of Chemical Physics</i> , 2019, 151, 034305.	3.0	14
14	Chirality in fluorescence and energy transfer. <i>Methods and Applications in Fluorescence</i> , 2019, 7, 032001.	2.3	19
15	Effects of Intrinsic Local Fields on Molecular Fluorescence and Energy Transfer: Dipole Mechanisms and Surface Potentials. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5015-5023.	2.6	2
16	Spin-orbit interactions and chiroptical effects engaging orbital angular momentum of twisted light in chiral and achiral media. <i>Physical Review A</i> , 2019, 99, .	2.5	36
17	Off-Resonance Control and All-Optical Switching: Expanded Dimensions in Nonlinear Optics. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4252.	2.5	12
18	Atoms in complex twisted light. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 013001.	2.2	102

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19	Enhanced optical activity using the orbital angular momentum of structured light. <i>Physical Review Research</i> , 2019, 1, .	3.6	28
20	Optical spin-orbit interactions in molecular scattering of twisted light. , 2019, , .		0
21	Perspective: Quantum Hamiltonians for optical interactions. <i>Journal of Chemical Physics</i> , 2018, 148, 040901.	3.0	82
22	Molecular Tensor Analysis of Third-Harmonic Scattering in Liquids. <i>Journal of Physical Chemistry A</i> , 2018, 122, 563-573.	2.5	18
23	Symmetries, Conserved Properties, Tensor Representations, and Irreducible Forms in Molecular Quantum Electrodynamics. <i>Symmetry</i> , 2018, 10, 298.	2.2	18
24	Quantum features in the orthogonality of optical modes for structured and plane-wave light. <i>Optics Letters</i> , 2018, 43, 3249.	3.3	7
25	Optical orbital angular momentum: twisted light and chirality. <i>Optics Letters</i> , 2018, 43, 435.	3.3	104
26	Introduction to Photon Science and Technology. , 2018, , .		4
27	Chiroptical interactions between twisted light and chiral media. , 2018, , .		0
28	The angular momentum of twisted light in anisotropic media: chiroptical interactions in chiral and achiral materials. , 2018, , .		0
29	Spin-orbit coupling in vortex light: can it be revealed in fundamental electronic transitions?. , 2018, , .		0
30	Symmetry principles for engaging the orbital angular momentum of structured light. , 2018, , .		0
31	Manipulating particles with light: radiation and gradient forces. <i>European Journal of Physics</i> , 2017, 38, 034008.	0.6	39
32	Nonlocalized Generation of Correlated Photon Pairs in Degenerate Down-Conversion. <i>Physical Review Letters</i> , 2017, 118, 133602.	7.8	14
33	Controlling resonance energy transfer in nanostructure emitters by positioning near a mirror. <i>Journal of Chemical Physics</i> , 2017, 147, 074117.	3.0	26
34	Quantum delocalization in photon-pair generation. <i>Physical Review A</i> , 2017, 96, .	2.5	4
35	Roadmap on structured light. <i>Journal of Optics (United Kingdom)</i> , 2017, 19, 013001.	2.2	888
36	Quantum localization issues in nonlinear frequency conversion and harmonic generation. , 2017, , .		0

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37	The engagement of optical angular momentum in nanoscale chirality. , 2017, , .		0
38	Quantum theory for the nanoscale propagation of light through stacked thin film layers. Proceedings of SPIE, 2016, , .	0.8	0
39	On the emergence of Raman signals characterizing multicenter nanoscale interactions. , 2016, , .		0
40	Raman scattering mediated by neighboring molecules. Journal of Chemical Physics, 2016, 144, 174304.	3.0	8
41	Symmetry analysis of Raman scattering mediated by neighboring molecules. Journal of Chemical Physics, 2016, 145, 184301.	3.0	2
42	Identifying diamagnetic interactions in scattering and nonlinear optics. Physical Review A, 2016, 94, .	2.5	15
43	Quantum electrodynamical theory of high-efficiency excitation energy transfer in laser-driven nanostructure systems. Physical Review B, 2016, 94, .	3.2	11
44	Quantum electrodynamics of resonance energy transfer in nanowire systems. Physical Review B, 2016, 93, .	3.2	23
45	Quantum issues with structured light. Proceedings of SPIE, 2016, , .	0.8	1
46	Chiral separation and twin-beam photonics. , 2016, , .		1
47	Developments in the Photonic Theory of Fluorescence. Reviews in Fluorescence, 2016, , 235-268.	0.5	0
48	Direct and third-body mediated resonance energy transfer in dimensionally constrained nanostructures. Physical Review B, 2015, 92, .	3.2	41
49	Hyper-Rayleigh scattering in centrosymmetric systems. Journal of Chemical Physics, 2015, 143, 124301.	3.0	10
50	Chirality in Optical Trapping and Optical Binding. Photonics, 2015, 2, 483-497.	2.0	29
51	Mechanisms universally permitting hyper-Rayleigh scattering. Proceedings of SPIE, 2015, , .	0.8	0
52	Discriminatory effects in the optical binding of chiral nanoparticles. Proceedings of SPIE, 2015, , .	0.8	0
53	Advanced electrodynamic mechanisms for the nanoscale control of light by light. , 2015, , .		0
54	Point source generation of chiral fields: measures of near- and far-field optical helicity. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 2308.	2.1	6

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55	Surface functionalized spherical nanoparticles: an optical assessment of local chirality. , 2015, , .		2
56	Signatures of material and optical chirality: Origins and measures. Chemical Physics Letters, 2015, 626, 106-110.	2.6	50
57	Chiral discrimination in optical binding. Physical Review A, 2015, 91, .	2.5	28
58	On the viability of achieving chiral separation through the optical manipulation of molecules. Proceedings of SPIE, 2015, , .	0.8	2
59	Laser optical separation of chiral molecules. Optics Letters, 2015, 40, 677.	3.3	43
60	Electromagnetic trapping of chiral molecules: orientational effects of the irradiating beam. Journal of the Optical Society of America B: Optical Physics, 2015, 32, B25.	2.1	15
61	A spectroscopic ruler for intermediate-zone FRET measurements. Proceedings of SPIE, 2015, , .	0.8	1
62	Quantum Physics of Light and Matter: A Modern Introduction to Photons, Atoms and Many-Body Systems, by Luca Salasnich. Contemporary Physics, 2015, 56, 483-483.	1.8	0
63	Laser Spectroscopy 1: Basic Principles & Laser Spectroscopy 2: Experimental Techniques (5th) Tj ETQq1 1 0.784314 rgBT ₀ /Overlo	1.8	0
64	Chiral discrimination in optical trapping and manipulation. New Journal of Physics, 2014, 16, 103021.	2.9	52
65	Nanoarrays for the generation of complex optical wave-forms. , 2014, , .		1
66	Designing media for the local control of nanoscale absorption, transmission, and energy transfer. , 2014, , .		0
67	Second harmonic generation in isotropic media: six-wave mixing of optical vortices: erratum. Optics Express, 2014, 22, 17478.	3.4	0
68	The role of virtual photons in nanoscale photonics. Annalen Der Physik, 2014, 526, 173-186.	2.4	28
69	Optical vortex mode generation by nanoarrays with a tailored geometry. Proceedings of SPIE, 2014, , .	0.8	0
70	Photon-based and classical descriptions in nanophotonics: a review. Journal of Nanophotonics, 2014, 8, 081599.	1.0	8
71	Direct generation of optical vortices. Physical Review A, 2014, 89, .	2.5	31
72	On the nature of long range electronic coupling in a medium: Distance and orientational dependence for chromophores in molecular aggregates. Journal of Chemical Physics, 2014, 140, 044103.	3.0	22

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73	Enhancing Optical Up-Conversion Through Electrodynamic Coupling with Ancillary Chromophores. Journal of Physical Chemistry C, 2014, 118, 23535-23544.	3.1	5
74	Static and dynamic modifications to photon absorption: The effects of surrounding chromophores. Chemical Physics Letters, 2014, 595-596, 151-155.	2.6	5
75	Geometrical effects on resonance energy transfer between orthogonally-oriented chromophores, mediated by a nearby polarisable molecule. Chemical Physics Letters, 2014, 591, 88-92.	2.6	10
76	Principles of vortex light generation from electronically excited nanoscale arrays. , 2014, , .		1
77	Optical vortices in six-wave mixing. Proceedings of SPIE, 2014, , .	0.8	0
78	Sculpting optical energy landscapes for multi-particle nanoscale assembly. , 2014, , .		2
79	Engaging new dimensions in nonlinear optical spectroscopy using auxiliary beams of light. Proceedings of SPIE, 2014, , .	0.8	0
80	Medium-dependent resonance energy transfer: a controlling role for three-center upconversion. , 2014, , .		0
81	Resonance energy transfer: Influence of neighboring matter absorbing in the wavelength region of the acceptor. Journal of Chemical Physics, 2013, 139, 014107.	3.0	43
82	Optically tailored access to metastable electronic states. Chemical Physics Letters, 2013, 590, 235-238.	2.6	5
83	Optical Vortex Generation from Molecular Chromophore Arrays. Physical Review Letters, 2013, 111, 153603.	7.8	41
84	Physicality of the Photon. Journal of Physical Chemistry Letters, 2013, 4, 3878-3884.	4.6	18
85	Interparticle Interactions: Energy Potentials, Energy Transfer, and Nanoscale Mechanical Motion in Response to Optical Radiation. Journal of Physical Chemistry A, 2013, 117, 75-82.	2.5	20
86	Signatures of Exciton Coupling in Paired Nanoemitters. Journal of Physical Chemistry C, 2013, 117, 12393-12396.	3.1	7
87	Near-field manipulation of interparticle forces through resonant absorption, optical binding, and dispersion forces. Proceedings of SPIE, 2013, , .	0.8	0
88	On the detection of characteristic optical emission from electronically coupled nanoemitters. , 2013, , .		0
89	Second harmonic generation in isotropic media: six-wave mixing of optical vortices. Optics Express, 2013, 21, 12783.	3.4	18
90	Photonic measures of helicity: optical vortices and circularly polarized reflection. Optics Letters, 2013, 38, 869.	3.3	21

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91	Expanded horizons for generating and exploring optical angular momentum in vortex structures. Proceedings of SPIE, 2013, , .	0.8	9
92	Directions in optical angular momentum. Proceedings of SPIE, 2013, , .	0.8	0
93	Laser-modified one- and two-photon absorption: Expanding the scope of optical nonlinearity. Physical Review A, 2013, 88, .	2.5	6
94	Chiral nanoemitter array: A launchpad for optical vortices. Laser and Photonics Reviews, 2013, 7, 1088-1092.	8.7	26
95	Optical superchirality and electromagnetic angular momentum. , 2012, , .		4
96	Measures of chirality and angular momentum in the electromagnetic field. Optics Letters, 2012, 37, 3009.	3.3	47
97	Controlling the localization and migration of optical excitation. , 2012, , .		0
98	Light harvesting in dendrimer materials: Designer photophysics and electrodynamics. Journal of Materials Research, 2012, 27, 627-638.	2.6	17
99	Chirality and angular momentum in optical radiation. Physical Review A, 2012, 85, .	2.5	120
100	Laser-Controlled Fluorescence in Two-Level Systems. Journal of Physical Chemistry B, 2011, 115, 5227-5233.	2.6	13
101	Optical Control through Light Transmission. Optics and Photonics News, 2011, 22, 52.	0.5	3
102	Limitations and improvements upon the two-level approximation for molecular nonlinear optics. Proceedings of SPIE, 2011, , .	0.8	3
103	Resonance energy transfer: Beyond the limits. Laser and Photonics Reviews, 2011, 5, 114-123.	8.7	93
104	Perturbation theory and the two-level approximation: A corollary and critique. Chemical Physics Letters, 2011, 503, 153-156.	2.6	17
105	Assessing limitations to the two-level approximation in nonlinear optics for organic chromophores by ab initio methods. Proceedings of SPIE, 2011, , .	0.8	3
106	Primary Photonic Processes in Energy Harvesting: Quantum Dynamical Analysis of Exciton Energy Transfer over Three-Dimensional Dendrimeric Geometries. Materials Research Society Symposia Proceedings, 2011, 1325, 65.	0.1	2
107	Structured light, transmission, and scattering. Proceedings of SPIE, 2011, , .	0.8	3
108	Optical binding with anisotropic particles: resolving the forces and torques. , 2011, , .		3

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109	Mechanisms of Light Energy Harvesting in Dendrimers and Hyperbranched Polymers. <i>Polymers</i> , 2011, 3, 2053-2077.	4.5	33
110	The analysis of fluorophore orientation by multiphoton fluorescence microscopy. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
111	Nonlinear optical techniques for improved data capture in fluorescence microscopy and imaging. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
112	Geometric configurations and perturbative mechanisms in optical binding. , 2010, , .		2
113	Optical transistor action by nonlinear coupling of stimulated emission and coherent scattering. , 2010, , .		1
114	Optical binding between polar particles. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
115	Controlling nanoscale optical emission with off-resonant laser light. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
116	The electrodynamic mechanisms of optical binding. <i>Proceedings of SPIE</i> , 2010, , .	0.8	4
117	Surface plasmons with phase singularities and their effects on matter. <i>Physica Status Solidi - Rapid Research Letters</i> , 2010, 4, 241-243.	2.4	16
118	Off-resonant activation of optical emission. <i>Optics Communications</i> , 2010, 283, 4365-4367.	2.1	11
119	All-optical switching between quantum dot nanoarrays. <i>Superlattices and Microstructures</i> , 2010, 47, 308-313.	3.1	15
120	Optical angular momentum: Multipole transitions and photonics. <i>Physical Review A</i> , 2010, 81, .	2.5	30
121	All-optical control of molecular fluorescence. <i>Physical Review A</i> , 2010, 81, .	2.5	16
122	On the nanoscale transmission of quantum angular momentum. , 2010, , .		4
123	Optomechanical control of molecular motors. , 2010, , .		0
124	On the conveyance of angular momentum in electronic energy transfer. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7409.	2.8	17
125	Optically Controlled Energy Transfer in Stacked and Coplanar Polycyclic Chromophores. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2705-2708.	4.6	2
126	Multiple light scattering and optomechanical forces. <i>Journal of Nanophotonics</i> , 2010, 4, 041565.	1.0	8

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127	Influence of the state of light on the optically induced interparticle interaction. <i>Physical Review A</i> , 2009, 79, .	2.5	12
128	Resonance energy transfer: When a dipole fails. <i>Journal of Chemical Physics</i> , 2009, 130, 184504.	3.0	19
129	Mechanisms for optical binding. <i>Proceedings of SPIE</i> , 2009, , .	0.8	3
130	On the interactions between molecules in an off-resonant laser beam: Evaluating the response to energy migration and optically induced pair forces. <i>Journal of Chemical Physics</i> , 2009, 130, 034504.	3.0	10
131	A back-to-front derivation: the equal spacing of quantum levels is a proof of simple harmonic oscillator physics. <i>European Journal of Physics</i> , 2009, 30, 1371-1380.	0.6	10
132	A photonic basis for deriving nonlinear optical response. <i>European Journal of Physics</i> , 2009, 30, 239-251.	0.6	14
133	Inter-particle interaction induced by broadband radiation. <i>Optics Communications</i> , 2009, 282, 2267-2269.	2.1	12
134	Observation of ultrafast internal conversion in fullerene anions in solution. <i>Chemical Physics Letters</i> , 2009, 474, 112-114.	2.6	18
135	Laser conferral of a directed character to near-field energy transfer. <i>Laser Physics</i> , 2009, 19, 125-128.	1.2	2
136	Mechanism for Optical Enhancement and Suppression of Fluorescence. <i>Journal of Physical Chemistry A</i> , 2009, 113, 6537-6539.	2.5	18
137	QUANTUM CHANNELS IN NONLINEAR OPTICAL PROCESSES. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2009, 18, 285-299.	1.8	30
138	Dendrimer light-harvesting: intramolecular electrostatics and mechanisms. <i>Dalton Transactions</i> , 2009, , 10006.	3.3	8
139	The irreducible photon. <i>Proceedings of SPIE</i> , 2009, , .	0.8	1
140	The control of near-field optics: imposing direction through coupling with off-resonant laser light. <i>Applied Physics B: Lasers and Optics</i> , 2008, 93, 13-20.	2.2	7
141	Electrodynamic mechanism and array stability in optical binding. <i>Optics Communications</i> , 2008, 281, 865-870.	2.1	35
142	Nanoscale Optics: Interparticle Forces. , 2008, , 79-105.		5
143	Energy harvesting: a review of the interplay between structure and mechanism. <i>Journal of Nanophotonics</i> , 2008, 2, 022502.	1.0	20
144	Mechanistic principles and applications of resonance energy transfer. <i>Canadian Journal of Chemistry</i> , 2008, 86, 855-870.	1.1	48

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145	Collapse of optical binding under secondary irradiation. Optics Letters, 2008, 33, 1830.	3.3	18
146	Optical binding and the influence of beam structure. Optics Letters, 2008, 33, 2464.	3.3	14
147	Optically controlled resonance energy transfer: Mechanism and configuration for all-optical switching. Journal of Chemical Physics, 2008, 128, 144506.	3.0	39
148	Dynamics of the dispersion interaction in an energy transfer system. Physical Chemistry Chemical Physics, 2008, 10, 5250.	2.8	14
149	Optically induced multi-particle structures: multi-dimensional energy landscapes. , 2008, , .		4
150	All-optical switching based on optical control of energy transfer between thin-film layers. Proceedings of SPIE, 2008, , .	0.8	0
151	The optical control of electronic energy transfer through single and dual auxiliary beams. , 2008, , .		1
152	Optically induced nanoparticle assemblies. Proceedings of SPIE, 2008, , .	0.8	1
153	Atomic and Molecular Manipulation Using Structured Light. , 2008, , 169-194.		2
154	London force and energy transportation between interfacial surfaces. , 2008, , .		0
155	Vibronic interactions in the visible and near-infrared spectra of C_{60} and C_{70} fullerenes. Physical Review B, 2008, 77, .	3.2	30
156	Optical binding in nanoparticle assembly: Potential energy landscapes. Physical Review A, 2008, 78, .	2.5	31
157	Optical binding: potential energy landscapes and QED. Proceedings of SPIE, 2008, , .	0.8	8
158	Resonance energy transfer and interface forces: quantum electrodynamical analysis. , 2008, , .		0
159	Optical control and switching of excitation transfer in nano-arrays. , 2008, , .		3
160	Configuring the cancellation of optical near-fields. , 2008, , .		2
161	Single and dual beam optical switching of resonance energy transfer. Journal of Chemical Physics, 2007, 127, 174702.	3.0	12
162	Development of the energy flow in light-harvesting dendrimers. Journal of Chemical Physics, 2007, 127, 134902.	3.0	17

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163	Optical electrostriction. , 2007, , .		4
164	Resonance energy transfer: Spectral overlap, efficiency, and direction. Journal of Chemical Physics, 2007, 127, 084509.	3.0	37
165	Optically Switched Energy Transfer: Twin-Beam Off-Resonance Control. Physical Review Letters, 2007, 99, 023601.	7.8	14
166	Synergistic Effects in Two-Photon Absorption: the Quantum Electrodynamics of Bimolecular Mean-Frequency Absorption. Advances in Chemical Physics, 2007, , 39-102.	0.3	10
167	Molecular Theory of Harmonic Generation. Advances in Chemical Physics, 2007, , 545-606.	0.3	15
168	Quantum Electrodynamics of Resonance Energy Transfer. Advances in Chemical Physics, 2007, , 357-410.	0.3	43
169	Principles of Directed Electronic Energy Transfer. Springer Series on Fluorescence, 2007, , 45-66.	0.8	4
170	Optically induced inter-particle forces: from the bonding of dimers to optical electrostriction in molecular solids. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, S637-S650.	1.5	19
171	Near-field propagation in planar nanostructured arrays. , 2006, , .		0
172	Optical ordering of nanoparticles trapped by Laguerre-Gaussian laser modes. , 2006, , .		1
173	Energy migration in molecular assemblies: the characterisation and differentiation of two-photon mechanisms. , 2006, , .		1
174	Optical switching in nano-arrays: transistor action through directed energy transfer. , 2006, , .		4
175	Adjacency matrix formulation of energy flow in dendrimeric polymers. , 2006, 6328, 179.		2
176	Energy flow in dendrimers: An adjacency matrix representation. Chemical Physics Letters, 2006, 433, 239-243.	2.6	9
177	Competing mechanisms for energy transfer in two-photon absorbing systems. Chemical Physics Letters, 2006, 430, 191-194.	2.6	8
178	Theory of Directed Electronic Energy Transfer. Journal of Fluorescence, 2006, 16, 191-199.	2.5	15
179	Optomechanical forces and electrostriction in laser optical materials. , 2006, , .		0
180	Optically activated energy transfer: array implementation. Journal of Optics, 2006, 8, S106-S112.	1.5	20

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181	Nanoparticle manipulation through inter-particle optical forces and torques. , 2005, 5930, 583.		1
182	Interaction of Laguerre-Gaussian light with liquid crystals. , 2005, , .		4
183	Optical forces between dielectric nanoparticles in an optical vortex. Proceedings of SPIE, 2005, , .	0.8	4
184	Directed energy transfer. , 2005, , .		0
185	The photon: a virtual reality. , 2005, 5866, 1.		6
186	Optically induced forces and torques: Interactions between nanoparticles in a laser beam. Physical Review A, 2005, 72, .	2.5	72
187	Transmission of quantum dot exciton spin states via resonance energy transfer. , 2005, , .		2
188	Laser-induced forces between carbon nanotubes. Optics Letters, 2005, 30, 783.	3.3	39
189	Interactions between spherical nanoparticles optically trapped in Laguerre-Gaussian modes. Optics Letters, 2005, 30, 3039.	3.3	47
190	Resonance energy transfer and quantum dots. Physical Review B, 2005, 72, .	3.2	91
191	Energy Harvesting Materials. , 2005, , .		28
192	A sum rule for nonlinear optical susceptibilities. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, 59-62.	1.4	4
193	Quantum pathways for resonance energy transfer. Journal of Chemical Physics, 2004, 120, 11442-11448.	3.0	36
194	Optically nonlinear energy transfer in light-harvesting dendrimers. Journal of Chemical Physics, 2004, 121, 2445-2454.	3.0	39
195	Virtual photons, dipole fields and energy transfer: a quantum electrodynamical approach. European Journal of Physics, 2004, 25, 845-858.	0.6	149
196	On optical vortex interactions with chiral matter. Optics Communications, 2004, 237, 133-139.	2.1	80
197	Biexciton resonance energy transfer in a model photosystem. Photochemical and Photobiological Sciences, 2004, 3, 39.	2.9	7
198	Multiphoton-excited luminescence of a lanthanide ion in a protein complex: Tb ³⁺ bound to transferrin. Photochemical and Photobiological Sciences, 2004, 3, 47.	2.9	54

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199	Nonlinear energy pooling in nanophotonic materials. , 2004, , .		1
200	Electronic coupling mechanisms and characteristics for optically nonlinear photoactive nanomaterials. , 2004, , .		0
201	Multichromophore excitons and resonance energy transfer: Molecular quantum electrodynamics. Journal of Chemical Physics, 2003, 118, 3470-3479.	3.0	35
202	Exciton resonance energy transfer: Effects of geometry and transition moment orientation in model photosystems. Photochemical and Photobiological Sciences, 2003, 2, 130.	2.9	15
203	Eliminating ground-state dipole moments in quantum optics via canonical transformation. Physical Review A, 2003, 68, .	2.5	9
204	Resonance energy transfer: The unified theory revisited. Journal of Chemical Physics, 2003, 119, 2264-2274.	3.0	148
205	Resonance damping and optical susceptibilities (Critical Review Lecture). , 2003, 5218, 181.		2
206	The electronic influence of a third body on resonance energy transfer. Journal of Chemical Physics, 2002, 116, 6701-6712.	3.0	44
207	Four-center energy transfer and interaction pairs: Molecular quantum electrodynamics. Journal of Chemical Physics, 2002, 116, 6713-6724.	3.0	20
208	A new diagrammatic methodology for non-relativistic quantum electrodynamics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 445-468.	1.5	40
209	<title>Energy harvesting materials</title> . , 2002, 4806, 181.		2
210	Nonlinear Optics and Surface Applications. , 2002, , 233-256.		0
211	A quantum electrodynamical theory of three-center energy transfer for upconversion and downconversion in rare earth doped materials. Journal of Chemical Physics, 2001, 114, 1089-1100.	3.0	59
212	Nonlinearities in energy-harvesting media. , 2001, 4467, 297.		2
213	Hendrik Casimir. European Journal of Physics, 2001, 22, .	0.6	0
214	Second harmonic emission and the optical excitation of small particles. , 2000, 4098, 284.		0
215	An accretive mechanism for blue-shifted fluorescence in strongly pumped systems: resonance energy transfer with Raman emission. Journal of Raman Spectroscopy, 2000, 31, 791-796.	2.5	10
216	Phase matching and optical geometry considerations in ultrafast non-degenerate six-wave-mixing experiments. Optics Communications, 2000, 174, 285-290.	2.1	6

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217	Comment on 'Non-equilibrium thermodynamics of light absorption'. Journal of Physics A, 2000, 33, 1297-1299.	1.6	2
218	Laser-assisted resonance-energy transfer. Physical Review A, 2000, 61, .	2.5	41
219	Quantum-electrodynamical treatment of second-harmonic generation through phase-conjugate six-wave mixing: Temporal analysis. Physical Review A, 2000, 62, .	2.5	4
220	Orientation factors in three-centre energy pooling. Physical Chemistry Chemical Physics, 2000, 2, 2837-2843.	2.8	21
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