

Juan Jose Saenz

List of Publications by Year in descending order

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213
papers

9,290
citations

38660

50
h-index

43802

91
g-index

214
all docs

214
docs citations

214
times ranked

6192
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong magnetic response of submicron Silicon particles in the infrared. <i>Optics Express</i> , 2011, 19, 4815.	1.7	626
2	Magnetic and electric coherence in forward- and back-scattered electromagnetic waves by a single dielectric subwavelength sphere. <i>Nature Communications</i> , 2012, 3, 1171.	5.8	466
3	Demonstration of Zero Optical Backscattering from Single Nanoparticles. <i>Nano Letters</i> , 2013, 13, 1806-1809.	4.5	432
4	Low-Loss Electric and Magnetic Field-Enhanced Spectroscopy with Subwavelength Silicon Dimers. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13573-13584.	1.5	347
5	Observation of magnetic forces by the atomic force microscope. <i>Journal of Applied Physics</i> , 1987, 62, 4293-4295.	1.1	334
6	Optical forces on small magnetodielectric particle. <i>Optics Express</i> , 2010, 18, 11428.	1.7	287
7	Scattering Forces from the Curl of the Spin Angular Momentum of a Light Field. <i>Physical Review Letters</i> , 2009, 102, 113602.	2.9	279
8	Electromagnetic Surface Modes in Structured Perfect-Conductor Surfaces. <i>Physical Review Letters</i> , 2005, 95, 233901.	2.9	205
9	Angle-suppressed scattering and optical forces on submicrometer dielectric particles. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2011, 28, 54.	0.8	189
10	Electric and magnetic dipolar response of germanium nanospheres: interference effects, scattering anisotropy, and optical forces. <i>Journal of Nanophotonics</i> , 2011, 5, 053512.	0.4	179
11	Dielectric antennas - a suitable platform for controlling magnetic dipolar emission. <i>Optics Express</i> , 2012, 20, 13636.	1.7	169
12	Theory of conduction through narrow constrictions in a three-dimensional electron gas. <i>Physical Review B</i> , 1994, 49, 16581-16584.	1.1	160
13	Electrostatic and contact forces in force microscopy. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1991, 9, 1323.	1.6	147
14	Modeling of Nanoscale Gate-All-Around MOSFETs. <i>IEEE Electron Device Letters</i> , 2004, 25, 314-316.	2.2	136
15	Full transmission through perfect-conductor subwavelength hole arrays. <i>Physical Review E</i> , 2005, 72, 016608.	0.8	134
16	Real-Time Observation of the Dynamics of Single Pb Atoms on Si(111) $\sqrt{7\times 7}$ by Scanning Tunneling Microscopy. <i>Physical Review Letters</i> , 1996, 76, 799-802.	2.9	130
17	Radiative corrections to the polarizability tensor of an electrically small anisotropic dielectric particle. <i>Optics Express</i> , 2010, 18, 3556.	1.7	122
18	Laser streaking of free electrons at 25 keV. <i>Nature Photonics</i> , 2014, 8, 52-57.	15.6	121

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19	Field-Induced Formation of Nanometer-Sized Water Bridges. <i>Physical Review Letters</i> , 2003, 91, 056101.	2.9	115
20	Photonic Properties of Strongly Correlated Colloidal Liquids. <i>Physical Review Letters</i> , 2004, 93, 073903.	2.9	110
21	Band gap formation and Anderson localization in disordered photonic materials with structural correlations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9570-9574.	3.3	109
22	The effect of ionization on magic numbers of rare-gas clusters. <i>Chemical Physics Letters</i> , 1984, 109, 71-75.	1.2	101
23	Dissociation channels of multiply charged van der Waals clusters. <i>Physical Review A</i> , 1988, 38, 3236-3248.	1.0	101
24	Extraordinary optical reflection from sub-wavelength cylinder arrays. <i>Optics Express</i> , 2006, 14, 3730.	1.7	98
25	Laser tractor beams. <i>Nature Photonics</i> , 2011, 5, 514-515.	15.6	96
26	Dissociation Channels for Multiply Charged Clusters. <i>Physical Review Letters</i> , 1986, 56, 1551-1554.	2.9	87
27	Image charge method for electrostatic calculations in field-emission diodes. <i>Journal of Applied Physics</i> , 1996, 79, 39-44.	1.1	84
28	Conductance and Mechanical Properties of Atomic-Size Metallic Contacts: A Simple Model. <i>Physical Review Letters</i> , 1996, 77, 2245-2248.	2.9	83
29	Site and lattice resonances in metallic hole arrays. <i>Optics Express</i> , 2006, 14, 7.	1.7	83
30	Electrostatic forces between sharp tips and metallic and dielectric samples. <i>Applied Physics Letters</i> , 2001, 79, 4048-4050.	1.5	81
31	Energy Dissipation due to Capillary Interactions: Hydrophobicity Maps in Force Microscopy. <i>Physical Review Letters</i> , 2007, 98, .	2.9	80
32	A method for calculating capacitances and electrostatic forces in atomic force microscopy. <i>Journal of Applied Physics</i> , 2007, 101, 024310.	1.1	79
33	Unified compact model for the ballistic quantum wire and quantum well metal-oxide-semiconductor field-effect-transistor. <i>Journal of Applied Physics</i> , 2003, 94, 1061-1068.	1.1	77
34	A Chirality-Based Quantum Leap. <i>ACS Nano</i> , 2022, 16, 4989-5035.	7.3	74
35	Cantilever effects on electrostatic force gradient microscopy. <i>Applied Physics Letters</i> , 2004, 85, 2610-2612.	1.5	67
36	Sensing with magnetic dipolar resonances in semiconductor nanospheres. <i>Optics Express</i> , 2013, 21, 23007.	1.7	67

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37	Universal Conductance Distributions in the Crossover between Diffusive and Localization Regimes. <i>Physical Review Letters</i> , 2001, 87, 116603.	2.9	66
38	Effective tip radius in electrostatic force microscopy. <i>Applied Physics Letters</i> , 2005, 86, 123101.	1.5	64
39	Tutorial: Computing Topological Invariants in 2D Photonic Crystals. <i>Advanced Quantum Technologies</i> , 2020, 3, 1900117.	1.8	63
40	Evaporation of small clusters of noble gases by ionization. <i>Surface Science</i> , 1985, 156, 121-125.	0.8	62
41	Resonant Radiation Pressure on Neutral Particles in a Waveguide. <i>Physical Review Letters</i> , 2001, 86, 4275-4277.	2.9	62
42	Tuning the optical response of nanocylinder arrays: An analytical study. <i>Physical Review B</i> , 2006, 74, .	1.1	61
43	Classical critical behaviour in crystal surfaces near smooth and sharp edges. <i>Surface Science</i> , 1985, 155, 24-30.	0.8	60
44	Theory of electrostatic probe microscopy: A simple perturbative approach. <i>Applied Physics Letters</i> , 2000, 76, 2955-2957.	1.5	56
45	Transport of light in amorphous photonic materials. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	56
46	Near-Field Effects in Mesoscopic Light Transport. <i>Physical Review Letters</i> , 2015, 115, 203903.	2.9	55
47	Magic numbers for positively charged rare-gas clusters. <i>Chemical Physics Letters</i> , 1985, 114, 15-18.	1.2	54
48	3D calculations at atomic scale of the electrostatic potential and field created by a teton tip. <i>Ultramicroscopy</i> , 1992, 42-44, 154-162.	0.8	54
49	Giant Enhanced Diffusion of Gold Nanoparticles in Optical Vortex Fields. <i>Nano Letters</i> , 2009, 9, 3527-3531.	4.5	54
50	Living Nanospear for Near-Field Optical Probing. <i>ACS Nano</i> , 2018, 12, 10703-10711.	7.3	54
51	Tip-shape effects on electrostatic force microscopy resolution. <i>Nanotechnology</i> , 2001, 12, 496-499.	1.3	53
52	Theory of magnetic imaging by force microscopy. <i>Applied Physics Letters</i> , 1988, 53, 1449-1451.	1.5	50
53	Sensing Dipole Fields at Atomic Steps with Combined Scanning Tunneling and Force Microscopy. <i>Physical Review Letters</i> , 2005, 95, 136802.	2.9	48
54	Finite size corrections to the conductance of ballistic wires. <i>Physical Review B</i> , 1996, 54, 13448-13451.	1.1	47

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55	Conductance Distributions in Quasi-One-Dimensional Disordered Wires. <i>Physical Review Letters</i> , 2002, 89, 246403.	2.9	47
56	Intensity Distribution of Modes in Surface Corrugated Waveguides. <i>Physical Review Letters</i> , 1998, 80, 4165-4168.	2.9	45
57	Nanogeometry Matters: Unexpected Decrease of Capillary Adhesion Forces with Increasing Relative Humidity. <i>Small</i> , 2010, 6, 2725-2730.	5.2	45
58	Unusually Strong Optical Interactions between Particles in Quasi-One-Dimensional Geometries. <i>Physical Review Letters</i> , 2004, 93, 243602.	2.9	43
59	Transition from diffusive to localized regimes in surface corrugated optical waveguides. <i>Applied Physics Letters</i> , 1997, 71, 1912-1914.	1.5	41
60	Size-Selective Optical Printing of Silicon Nanoparticles through Their Dipolar Magnetic Resonance. <i>ACS Photonics</i> , 2019, 6, 815-822.	3.2	40
61	Magneto-Optical Activity in High Index Dielectric Nanoantennas. <i>Scientific Reports</i> , 2016, 6, 30803.	1.6	39
62	Controlling dispersion forces between small particles with artificially created random light fields. <i>Nature Communications</i> , 2015, 6, 7460.	5.8	38
63	Near field emission scanning tunneling microscopy. <i>Applied Physics Letters</i> , 1994, 65, 3022-3024.	1.5	37
64	Optical resonances in one-dimensional dielectric nanorod arrays: field-induced fluorescence enhancement. <i>Optics Letters</i> , 2007, 32, 2762.	1.7	37
65	Negative scattering asymmetry parameter for dipolar particles: Unusual reduction of the transport mean free path and radiation pressure. <i>Physical Review A</i> , 2012, 85, .	1.0	37
66	Kerker Conditions upon Lossless, Absorption, and Optical Gain Regimes. <i>Physical Review Letters</i> , 2020, 125, 073205.	2.9	37
67	Nonlinear ballistic conductance in atomic-scale metallic contacts. <i>Physical Review B</i> , 1997, 55, R16029-R16032.	1.1	36
68	Spatial Field Distributions in the Transition from Ballistic to Diffusive Transport in Randomly Corrugated Waveguides. <i>Physical Review Letters</i> , 2000, 84, 3578-3581.	2.9	36
69	Nanocontacts: Probing Electronic Structure under Extreme Uniaxial Strains. <i>Physical Review Letters</i> , 1997, 79, 4198-4201.	2.9	35
70	Analog performance of the nanoscale double-gate metal-oxide-semiconductor field-effect-transistor near the ultimate scaling limits. <i>Journal of Applied Physics</i> , 2004, 96, 5271-5276.	1.1	35
71	Fluorescence decay rate statistics of a single molecule in a disordered cluster of nanoparticles. <i>Physical Review A</i> , 2007, 76, .	1.0	35
72	Isotropically Polarized Speckle Patterns. <i>Physical Review Letters</i> , 2015, 114, 113902.	2.9	35

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73	Generalized Brewster effect in high-refractive-index nanorod-based metasurfaces. Optics Express, 2018, 26, 31523.	1.7	35
74	Extraordinary Multipole Modes and Ultra-Enhanced Optical Lateral Force by Chirality. Physical Review Letters, 2020, 125, 043901.	2.9	35
75	Conductance Oscillations in Squashed Carbon Nanotubes. Physical Review Letters, 2006, 96, 076803.	2.9	34
76	Statistical scattering of waves in disordered waveguides: From microscopic potentials to limiting macroscopic statistics. Physical Review E, 2007, 75, 031113.	0.8	32
77	Optical forces from an evanescent wave on a magnetodielectric small particle. Optics Letters, 2010, 35, 4078.	1.7	32
78	Coulomb fragmentation of doubly ionized molecular clusters. Physical Review A, 1988, 37, 1401-1405.	1.0	31
79	Coupled electric and magnetic dipole formulation for planar arrays of particles: Resonances and bound states in the continuum for all-dielectric metasurfaces. Physical Review B, 2020, 102, .	1.1	31
80	Diffusion of atoms on Au(111) by the electric field gradient in scanning tunneling microscopy. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1996, 14, 1145.	1.6	30
81	Scattering Theory of Bardeen's Formalism for Tunneling: New Approach to Near-Field Microscopy. Physical Review Letters, 2000, 84, 5156-5159.	2.9	30
82	Quantum Conductance in Semimetallic Bismuth Nanocontacts. Physical Review Letters, 2002, 88, 246801.	2.9	29
83	Scattering forces in the focal volume of high numerical aperture microscope objectives. Optics Communications, 2011, 284, 2430-2436.	1.0	29
84	Nonconservative electric and magnetic optical forces on submicron dielectric particles. Physical Review A, 2011, 83, .	1.0	29
85	Surface-Enhanced Circular Dichroism Spectroscopy on Periodic Dual Nanostructures. ACS Photonics, 2020, 7, 2978-2986.	3.2	29
86	Finite-Size Effects on Intensity Correlations in Random Media. Physical Review Letters, 2002, 88, 143901.	2.9	28
87	Quantitative theory for the imaging of conducting objects in electrostatic force microscopy. Applied Physics Letters, 2006, 89, 173122.	1.5	28
88	Magneto-optical Kerr effect in resonant subwavelength nanowire gratings. New Journal of Physics, 2014, 16, 015007.	1.2	27
89	Electron emission from small sources. Journal of Physics Condensed Matter, 1989, 1, 9931-9956.	0.7	25
90	Statistical Distribution of Intensities Reflected from Disordered Media. Physical Review Letters, 1998, 81, 329-332.	2.9	25

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91	Quantum atom switch: Tunneling of Xe atoms. <i>Physical Review B</i> , 1993, 47, 7537-7541.	1.1	24
92	Improved Generalized Scattering Matrix Method: Conduction through Ballistic Nanowires. <i>Journal of the Physical Society of Japan</i> , 2004, 73, 2182-2193.	0.7	24
93	Unequivocal signatures of the crossover to Anderson localization in realistic models of disordered quasi-one-dimensional materials. <i>Physical Review B</i> , 2018, 98, .	1.1	23
94	Optimal backward light scattering by dipolar particles. <i>Physical Review Research</i> , 2020, 2, .	1.3	23
95	Coherent electron emission from point sources. <i>Journal of Microscopy</i> , 1988, 152, 43-51.	0.8	22
96	Density of States and Extinction Mean Free Path of Waves in Random Media: Dispersion Relations and Sum Rules. <i>Physical Review Letters</i> , 2009, 102, 093902.	2.9	22
97	Dielectric spheres with maximum forward scattering and zero backscattering: a search for their material composition. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 105612.	1.0	22
98	Brewster quasi bound states in the continuum in all-dielectric metasurfaces from single magnetic-dipole resonance meta-atoms. <i>Scientific Reports</i> , 2019, 9, 16048.	1.6	22
99	Light spin forces in optical traps: comment on "Trapping metallic Rayleigh particles with radial polarization". <i>Optics Express</i> , 2012, 20, 2832.	1.7	21
100	Enhanced spin-orbit optical mirages from dual nanospheres. <i>Physical Review A</i> , 2019, 99, .	1.0	21
101	Intensities and field enhancement of light scattered from periodic gratings: study OF Ag, Au and Cu surfaces. <i>Surface Science</i> , 1984, 143, 342-358.	0.8	20
102	Field emission interferometry with the scanning tunneling microscope. <i>Surface Science</i> , 1999, 426, L420-L425.	0.8	20
103	Deterministic Ratchet from Stationary Light Fields. <i>Physical Review Letters</i> , 2009, 103, 130601.	2.9	20
104	Light control of silver nanoparticle's diffusion. <i>Optics Express</i> , 2011, 19, 11471.	1.7	19
105	Conductance steps in point contacts: Quantization or cross-section jumps?. <i>Physica B: Condensed Matter</i> , 1996, 218, 234-237.	1.3	18
106	Numerical study of the lateral resolution in electrostatic force microscopy for dielectric samples. <i>Nanotechnology</i> , 2011, 22, 285705.	1.3	18
107	Electric and magnetic optical response of dielectric nanospheres: Optical forces and scattering anisotropy. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2012, 10, 345-352.	1.0	18
108	MarquÃ©s and Saenz Reply:. <i>Physical Review Letters</i> , 2013, 111, 059302.	2.9	18

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109	Asymmetry and spin-orbit coupling of light scattered from subwavelength particles. Optics Letters, 2019, 44, 1762.	1.7	18
110	Focused electron emission from planar quantum point contacts. Physical Review Letters, 1989, 63, 2260-2263.	2.9	17
111	Narrow Fano resonances in Si nanocylinder metasurfaces: Refractive index sensing. Journal of Applied Physics, 2019, 125, .	1.1	17
112	On the use of electrostatic force microscopy as a quantitative subsurface characterization technique: A numerical study. Applied Physics Letters, 2011, 99, 023101.	1.5	16
113	Conductivity and structure of thin oxide layers grown on a metal substrate: Scanning-tunneling microscopy in NiO on Ni(100). Physical Review B, 1986, 33, 4439-4442.	1.1	15
114	Tunneling current through localized surface states. Surface Science, 1987, 181, 69-77.	0.8	15
115	Three-dimensional image interaction for nonsmooth emitters. Applied Physics Letters, 1996, 69, 1169-1171.	1.5	15
116	Conductance histograms and conducting channels in atomic-scale metallic contacts. Surface Science, 1999, 440, L887-L890.	0.8	15
117	Electron correlation in the Si(1 0 0) surface. Surface Science, 2001, 482-485, 458-463.	0.8	15
118	Dielectric antennas - a suitable platform for controlling magnetic dipolar emission: errata. Optics Express, 2012, 20, 18609.	1.7	15
119	Scattering forces and electromagnetic momentum density in crossed circularly polarized standing waves. Optics Letters, 2012, 37, 2787.	1.7	15
120	Field-Mediated Chirality Information Transfer in Molecule-Nanoparticle Hybrids. Journal of Physical Chemistry C, 2020, 124, 1560-1565.	1.5	15
121	Statistical significance of conductance quantization. Physical Review B, 1998, 57, 2541-2544.	1.1	14
122	Statistical properties of wave transport through surface-disordered waveguides. Waves in Random and Complex Media, 2005, 15, 229-268.	1.6	14
123	Speckle fluctuations resolve the interdistance between incoherent point sources in complex media. Physical Review A, 2015, 91, .	1.0	14
124	Distance-voltage characteristics in scanning tunneling microscopy. Journal of Physics C: Solid State Physics, 1986, 19, L131-L134.	1.5	13
125	Plasmonic Nanoparticle Chain in a Light Field: A Resonant Optical Sail. Nano Letters, 2011, 11, 4597-4600.	4.5	13
126	Emergence of collective dynamics of gold nanoparticles in an optical vortex lattice. Physical Review E, 2018, 98, .	0.8	13

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127	Unveiling dipolar spectral regimes of large dielectric Mie spheres from helicity conservation. <i>Physical Review Research</i> , 2020, 2, .	1.3	13
128	Sectoral multipole focused beams. <i>Optics Express</i> , 2019, 27, 16384.	1.7	13
129	Probing two-dimensional Anderson localization without statistics. <i>Physical Review A</i> , 2014, 90, .	1.0	12
130	Challenges on optical printing of colloidal nanoparticles. <i>Journal of Chemical Physics</i> , 2022, 156, 034201.	1.2	12
131	It is possible to observe biological macromolecules by electrostatic force microscopy?. <i>Ultramicroscopy</i> , 1992, 42-44, 1189-1193.	0.8	11
132	Fluctuations and correlations in wave transport through complex media. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 386, 625-632.	1.2	11
133	Adhesion hysteresis in dynamic atomic force microscopy. <i>Physica Status Solidi - Rapid Research Letters</i> , 2008, 2, 138-140.	1.2	11
134	Is scanning tunneling microscopy a useful tool for probing the surface potential?. <i>Surface Science</i> , 1991, 251-252, 223-227.	0.8	10
135	Nonlinear effects in conductance histograms of atomic-scale metallic contacts. <i>Physical Review B</i> , 2000, 62, 11139-11145.	1.1	10
136	Contrast inversion in electrostatic force microscopy imaging of trapped charges: tip-sample distance and dielectric constant dependence. <i>Nanotechnology</i> , 2011, 22, 345702.	1.3	10
137	Fast and non-invasive conductivity determination by the dielectric response of reduced graphene oxide: an electrostatic force microscopy study. <i>Nanoscale</i> , 2012, 4, 7231.	2.8	10
138	Enhanced dielectric constant resolution of thin insulating films by electrostatic force microscopy. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 155303.	0.7	10
139	Role of the absorption on the spin-orbit interactions of light with Si nano-particles. <i>Journal of Applied Physics</i> , 2019, 126, 033104.	1.1	10
140	Backscattering from perfectly reflective random media. <i>Physical Review B</i> , 1997, 55, R11911-R11914.	1.1	9
141	Spatial wave intensity correlations in quasi-one-dimensional wires. <i>Physical Review E</i> , 2006, 74, 045603.	0.8	8
142	Optical conductance of waveguides built into finite photonic crystals. <i>Applied Physics Letters</i> , 2007, 91, 061107.	1.5	8
143	Fluctuations of the electromagnetic local density of states as a probe for structural phase switching. <i>Physical Review A</i> , 2016, 94, .	1.0	8
144	Current characteristics in near field emission scanning tunneling microscopes. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1996, 14, 2403.	1.6	7

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145	Broadband telecom transparency of semiconductor-coated metal nanowires: more transparent than glass. <i>Optics Express</i> , 2013, 21, 22076.	1.7	7
146	Localized magnetic plasmons in all-dielectric Si_3N_4 waveguides. <i>Physical Review B</i> , 2015, 91, .	1.1	7
147	Arrested Dimer's Diffusion by Self-Induced Back-Action Optical Forces. <i>ACS Photonics</i> , 2016, 3, 1286-1293.	3.2	7
148	Self-diffusion and structural properties of confined fluids in dynamic coexistence. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 135101.	0.7	7
149	Light Induced Inverse-Square Law Interactions between Nanoparticles: "Mock Gravity" at the Nanoscale. <i>Physical Review Letters</i> , 2019, 123, 143201.	2.9	7
150	Large Finite-Size Effect on the Critical Temperature of Adsorbed Layers: Xe on Pd [8(100) \bar{A} – (110)]. <i>Physical Review Letters</i> , 1984, 53, 822-825.	2.9	6
151	Differential conductance in atomic-scale metallic contacts. <i>Ultramicroscopy</i> , 1998, 73, 199-203.	0.8	6
152	Finite-size effects in the spatial distribution of the intensity reflected from disordered media. <i>Physical Review B</i> , 2000, 62, 9386-9389.	1.1	6
153	Atom-Atom Interaction Mediated by an Underlying Surface Phase Transition. <i>Physical Review Letters</i> , 2007, 98, 156102.	2.9	6
154	Light scattering by a magneto-optical nanoparticle in front of a flat surface: Perturbative approach. <i>Physical Review B</i> , 2012, 85, .	1.1	6
155	Effect of long-range spatial correlations on the lifetime statistics of an emitter in a two-dimensional disordered lattice. <i>Physical Review A</i> , 2014, 89, .	1.0	6
156	Generalized scattering matrix method for electrostatic calculations of nanoscale systems. <i>Physical Review B</i> , 2008, 77, .	1.1	5
157	Dissipation by adhesion hysteresis in dynamic force microscopy. <i>Physical Review B</i> , 2012, 85, .	1.1	5
158	Optofluidic control of the dispersion of nanoscale dumbbells. <i>Physical Review E</i> , 2019, 99, 022603.	0.8	5
159	Finite-size effects cannot explain experimental equilibrium crystal shape. <i>Journal of Physics C: Solid State Physics</i> , 1988, 21, L305-L310.	1.5	4
160	Statistical scattering of waves in disordered waveguides: Universal properties. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 372, 203-209.	1.2	4
161	Contribution of evanescent waves to the effective medium of disordered waveguides. <i>Europhysics Letters</i> , 2014, 108, 17006.	0.7	4
162	Negative dissipation gradients in hysteretic materials. <i>Nanoscale</i> , 2016, 8, 16989-16994.	2.8	4

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163	Control of diffusion of nanoparticles in an optical vortex lattice. Physical Review E, 2016, 93, 062130.	0.8	4
164	Theory of magnetic imaging by STM force microscopy (invited) (abstract). Journal of Applied Physics, 1988, 63, 2947-2947.	1.1	3
165	A Monte Carlo approach to determine conductance distributions in quasi-one-dimensional disordered wires. Microelectronics Journal, 2005, 36, 893-899.	1.1	3
166	Nanotechnology applications: a driving force for R&D investment. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 1611-1622.	0.8	3
167	Scattering forces and electromagnetic momentum density in crossed circularly polarized standing waves: erratum. Optics Letters, 2012, 37, 4470.	1.7	3
168	Local control of the excitation of surface plasmon polaritons by near-field magneto-optical Kerr effect. Physical Review B, 2014, 90, .	1.1	3
169	ELECTRON EMISSION FROM SMALL MICROTIPS. Journal De Physique Colloque, 1989, 50, C8-73-C8-78.	0.2	3
170	Cusp points in surface free energy: Faceting and first-order phase transitions. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1984, 124, 251-254.	0.9	2
171	Compact modeling of nanoscale MOSFETs in the ballistic limit. , 0, , .		2
172	Transport of waves in disordered waveguides: A potential model. Physica A: Statistical Mechanics and Its Applications, 2007, 386, 603-610.	1.2	2
173	Nanoscience and nanotechnology â€“ driving research and applications. Physica Status Solidi - Rapid Research Letters, 2007, 1, A68.	1.2	2
174	Phase contrast in Simultaneous Topography and Recognition imaging. Ultramicroscopy, 2009, 109, 1189-1192.	0.8	2
175	Finite photonic crystal waveguide with an embedded cavity: optical conductance â€œand vortices. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 756.	0.9	2
176	Three-dimensional tomography of single charge inside dielectric materials using electrostatic force microscopy. Materials Research Society Symposia Proceedings, 2012, 1421, 1.	0.1	2
177	Polarizability reveals identity. Nature Materials, 2012, 11, 748-749.	13.3	2
178	Spin control of macroscopic objects. Nature Photonics, 2018, 12, 444-445.	15.6	2
179	Trends in Nanotechnology. Nanotechnology, 2004, 15, .	1.3	1
180	Photonic properties of strongly correlated colloidal liquids. , 2005, 5840, 456.		1

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181	Preface: phys. stat. sol. (a) 204/6. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 1607-1610.	0.8	1
182	Statistical Properties of the Conductance of Disordered Wires: From atomic-scale contacts to macroscopically long nanowires. , 2010, , .		1
183	Electric and magnetic dipolar response of dielectric nanospheres: Scattering anisotropy and optical forces. , 2011, , .		1
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