

Pavel A Belov

List of Publications by Year in descending order

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Version: 2024-02-01

222
papers

6,416
citations

61857

43
h-index

69108

77
g-index

227
all docs

227
docs citations

227
times ranked

10406
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Metasurfaces: From microwaves to visible. <i>Physics Reports</i> , 2016, 634, 1-72. | 10.3 | 998 |
| 2 | Combination of measurements of inclusive deep inelastic $e^{\pm}p$ scattering cross sections and QCD analysis of HERA data. <i>European Physical Journal C</i> , 2015, 75, 1. | 1.4 | 383 |
| 3 | Enhancement of Magnetic Resonance Imaging with Metasurfaces. <i>Advanced Materials</i> , 2016, 28, 1832-1838. | 11.1 | 160 |
| 4 | Transverse Scattering and Generalized Kerker Effects in All-Dielectric Mie-Resonant Metaoptics. <i>Physical Review Letters</i> , 2019, 122, 193905. | 2.9 | 152 |
| 5 | HERAFitter. <i>European Physical Journal C</i> , 2015, 75, 1. | 1.4 | 141 |
| 6 | Elastic and proton-dissociative photoproduction of J/ψ mesons at HERA. <i>European Physical Journal C</i> , 2013, 73, 1. | 1.4 | 137 |
| 7 | High- Q All-Dielectric Metasurface: Super and Suppressed Optical Absorption. <i>ACS Photonics</i> , 2020, 7, 1436-1443. | 3.2 | 137 |
| 8 | Combination and QCD analysis of charm production cross section measurements in deep-inelastic ep scattering at HERA. <i>European Physical Journal C</i> , 2013, 73, 1. | 1.4 | 134 |
| 9 | Wireless power transfer inspired by the modern trends in electromagnetics. <i>Applied Physics Reviews</i> , 2017, 4, . | 5.5 | 134 |
| 10 | Results from the Supernova Photometric Classification Challenge. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 1415-1431. | 1.0 | 130 |
| 11 | Resonant Raman scattering from silicon nanoparticles enhanced by magnetic response. <i>Nanoscale</i> , 2016, 8, 9721-9726. | 2.8 | 128 |
| 12 | Far-field probing of leaky topological states in all-dielectric metasurfaces. <i>Nature Communications</i> , 2018, 9, 909. | 5.8 | 127 |
| 13 | Phase diagram for the transition from photonic crystals to dielectric metamaterials. <i>Nature Communications</i> , 2015, 6, 10102. | 5.8 | 122 |
| 14 | Plasmonic and silicon spherical nanoparticle antireflective coatings. <i>Scientific Reports</i> , 2016, 6, 22136. | 1.6 | 119 |
| 15 | Resonant Nonplasmonic Nanoparticles for Efficient Temperature-Feedback Optical Heating. <i>Nano Letters</i> , 2017, 17, 2945-2952. | 4.5 | 118 |
| 16 | Enhancement of terahertz photoconductive antenna operation by optical nanoantennas. <i>Laser and Photonics Reviews</i> , 2017, 11, 1600199. | 4.4 | 116 |
| 17 | Fabrication of Hybrid Nanostructures via Nanoscale Laser-Induced Reshaping for Advanced Light Manipulation. <i>Advanced Materials</i> , 2016, 28, 3087-3093. | 11.1 | 107 |
| 18 | Laser fabrication of crystalline silicon nanoresonators from an amorphous film for low-loss all-dielectric nanophotonics. <i>Nanoscale</i> , 2016, 8, 5043-5048. | 2.8 | 103 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Broadband and Thin Linear-to-Circular Polarizers Based on Self-Complementary Zigzag Metasurfaces. IEEE Transactions on Antennas and Propagation, 2017, 65, 4124-4133. | 3.1 | 98 |
| 20 | Self-complementary metasurfaces for linear-to-circular polarization conversion. Physical Review B, 2015, 92, . | 1.1 | 84 |
| 21 | Flexible and compact hybrid metasurfaces for enhanced ultra high field in vivo magnetic resonance imaging. Scientific Reports, 2017, 7, 1678. | 1.6 | 81 |
| 22 | Solar photovoltaics: current state and trends. Physics-Uspexhi, 2016, 59, 727-772. | 0.8 | 79 |
| 23 | Measurement of inclusive σ_{ep} cross sections at high Q^2 at $\sqrt{s} = 225$ and 252 GeV and of the longitudinal proton structure function F_L at HERA. European Physical Journal C, 2014, 74, 1. | 1.4 | 76 |
| 24 | Dielectric super-absorbing metasurfaces via PT symmetry breaking. Optica, 2021, 8, 1290. | 4.8 | 75 |
| 25 | Boosting Terahertz Photoconductive Antenna Performance with Optimised Plasmonic Nanostructures. Scientific Reports, 2018, 8, 6624. | 1.6 | 69 |
| 26 | Experimental demonstration of water based tunable metasurface. Applied Physics Letters, 2016, 109, . | 1.5 | 68 |
| 27 | Nonlinear Transient Dynamics of Photoexcited Resonant Silicon Nanostructures. ACS Photonics, 2016, 3, 1546-1551. | 3.2 | 67 |
| 28 | van der Waals Metal-Organic Framework as an Excitonic Material for Advanced Photonics. Advanced Materials, 2017, 29, 1606034. | 11.1 | 67 |
| 29 | Controllable femtosecond laser-induced dewetting for plasmonic applications. Laser and Photonics Reviews, 2016, 10, 91-99. | 4.4 | 66 |
| 30 | Purcell effect in hyperbolic metamaterial resonators. Physical Review B, 2015, 92, . | 1.1 | 62 |
| 31 | Demonstration of the enhanced Purcell factor in all-dielectric structures. Applied Physics Letters, 2016, 108, . | 1.5 | 62 |
| 32 | Reflection compensation mediated by electric and magnetic resonances of all-dielectric metasurfaces [Invited]. Journal of the Optical Society of America B: Optical Physics, 2017, 34, D18. | 0.9 | 62 |
| 33 | Inclusive deep inelastic scattering at high Q^2 with longitudinally polarised lepton beams at HERA. Journal of High Energy Physics, 2012, 2012, 1. | 1.6 | 57 |
| 34 | Midinfrared Surface Waves on a High Aspect Ratio Nanotrench Platform. ACS Photonics, 2017, 4, 2899-2907. | 3.2 | 57 |
| 35 | Hyperbolic metamaterial antenna for second-harmonic generation tomography. Optics Express, 2015, 23, 30730. | 1.7 | 56 |
| 36 | Tuning of near- and far-field properties of all-dielectric dimer nanoantennas via ultrafast electron-hole plasma photoexcitation. Laser and Photonics Reviews, 2016, 10, 1009-1015. | 4.4 | 55 |

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Wireless power transfer based on magnetic quadrupole coupling in dielectric resonators. Applied Physics Letters, 2016, 108, . | 1.5 | 54 |
| 38 | Self-adjusted all-dielectric metasurfaces for deep ultraviolet femtosecond pulse generation. Nanoscale, 2016, 8, 17809-17814. | 2.8 | 54 |
| 39 | Nanoscale Generation of White Light for Ultrabroadband Nanospectroscopy. Nano Letters, 2018, 18, 535-539. | 4.5 | 52 |
| 40 | Radiative decay rate of excitons in square quantum wells: Microscopic modeling and experiment. Journal of Applied Physics, 2016, 119, . | 1.1 | 50 |
| 41 | Experimental realisation of all-dielectric bianisotropic metasurfaces. Applied Physics Letters, 2016, 108, . | 1.5 | 46 |
| 42 | Hybrid nanophotonics. Physics-Uspekhi, 2018, 61, 1035-1050. | 0.8 | 46 |
| 43 | Metalâ€Dielectric Nanocavity for Realâ€Time Tracing Molecular Events with Temperature Feedback. Laser and Photonics Reviews, 2018, 12, 1700227. | 4.4 | 45 |
| 44 | Wireless power transfer based on dielectric resonators with colossal permittivity. Applied Physics Letters, 2016, 109, . | 1.5 | 44 |
| 45 | Giant field enhancement in high-index dielectric subwavelength particles. Scientific Reports, 2017, 7, 731. | 1.6 | 44 |
| 46 | Enhancement of artificial magnetism via resonant bianisotropy. Scientific Reports, 2016, 6, 22546. | 1.6 | 42 |
| 47 | Near-field imaging of spin-locked edge states in all-dielectric topological metasurfaces. Applied Physics Letters, 2019, 114, . | 1.5 | 41 |
| 48 | Generation of unipolar optical pulses in a Raman-active medium. Laser Physics Letters, 2016, 13, 046001. | 0.6 | 40 |
| 49 | Locally Enhanced Image Quality with Tunable Hybrid Metasurfaces. Physical Review Applied, 2018, 9, . | 1.5 | 40 |
| 50 | Smart Table Based on a Metasurface for Wireless Power Transfer. Physical Review Applied, 2019, 11, . | 1.5 | 38 |
| 51 | All-dielectric nanoantennas for unidirectional excitation of electromagnetic guided modes. Applied Physics Letters, 2015, 107, . | 1.5 | 37 |
| 52 | Measurement of multijet production in e^+p collisions at high Q^2 and determination of the strong coupling α_s . European Physical Journal C, 2015, 75, 1. | 1.4 | 34 |
| 53 | Volumetric wireless coil based on periodically coupled splitâ€loop resonators for clinical wrist imaging. Magnetic Resonance in Medicine, 2018, 80, 1726-1737. | 1.9 | 34 |
| 54 | Combined inclusive diffractive cross sections measured with forward proton spectrometers in deep inelastic ep scattering at HERA. European Physical Journal C, 2012, 72, 1. | 1.4 | 33 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Experimental investigation of a metasurface resonator for in vivo imaging at 1.5T. Journal of Magnetic Resonance, 2018, 286, 78-81. | 1.2 | 32 |
| 56 | Inclusive measurement of diffractive deep-inelastic scattering at HERA. European Physical Journal C, 2012, 72, 1. | 1.4 | 31 |
| 57 | Broadband 3-D Luneburg Lenses Based on Metamaterials of Radially Diverging Dielectric Rods. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1520-1523. | 2.4 | 29 |
| 58 | Ceramic resonators for targeted clinical magnetic resonance imaging of the breast. Nature Communications, 2020, 11, 3840. | 5.8 | 29 |
| 59 | Fine-Tuning of the Magnetic Fano Resonance in Hybrid Oligomers via fs-Laser-Induced Reshaping. ACS Photonics, 2017, 4, 536-543. | 3.2 | 28 |
| 60 | A Novel Metamaterial-Inspired RF-coil for Preclinical Dual-Nuclei MRI. Scientific Reports, 2018, 8, 9190. | 1.6 | 28 |
| 61 | Metasurface for Near-Field Wireless Power Transfer With Reduced Electric Field Leakage. IEEE Access, 2020, 8, 40224-40231. | 2.6 | 28 |
| 62 | QCD analysis of W- and Z-boson production at Tevatron. European Physical Journal C, 2015, 75, 1. | 1.4 | 26 |
| 63 | Energy spectrum of excitons in square quantum wells. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 112, 96-108. | 1.3 | 26 |
| 64 | Measurement of dijet production in diffractive deep-inelastic scattering with a leading proton at HERA. European Physical Journal C, 2012, 72, 1. | 1.4 | 24 |
| 65 | Enhancement of the Purcell factor in multiperiodic hyperboliclike metamaterials. Physical Review A, 2016, 93, . | 1.0 | 22 |
| 66 | Self-complementary metasurfaces for designing terahertz deflecting circular-polarization beam splitters. Applied Physics Letters, 2021, 118, . | 1.5 | 22 |
| 67 | Mushroom High-Impedance Metasurfaces for Perfect Absorption at Two Angles of Incidence. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2626-2629. | 2.4 | 20 |
| 68 | Diffractive dijet production with a leading proton in ep collisions at HERA. Journal of High Energy Physics, 2015, 2015, 1. | 1.6 | 19 |
| 69 | Nonlocal homogenization for nonlinear metamaterials. Physical Review B, 2016, 93, . | 1.1 | 19 |
| 70 | High-quality laser cavity based on all-dielectric metasurfaces. Photonics and Nanostructures - Fundamentals and Applications, 2017, 24, 18-23. | 1.0 | 18 |
| 71 | Seeing the Unseen: Experimental Observation of Magnetic Anapole State Inside a High-Index Dielectric Particle. Annalen Der Physik, 2020, 532, 2000293. | 0.9 | 18 |
| 72 | Experimental Observation of Intrinsic Light Localization in Photonic Icosahedral Quasicrystals. Advanced Optical Materials, 2020, 8, 2001170. | 3.6 | 18 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 73 | Multi-mode metamaterial-inspired resonator for near-field wireless power transfer. Applied Physics Letters, 2020, 117, 083501. | 1.5 | 18 |
| 74 | Measurement of Feynman- x spectra of photons and neutrons in the very forward direction in deep-inelastic scattering at HERA. European Physical Journal C, 2014, 74, 1. | 1.4 | 17 |
| 75 | Systematic Analysis of the Improvements in Magnetic Resonance Microscopy with Ferroelectric Composite Ceramics. Advanced Materials, 2019, 31, e1900912. | 11.1 | 17 |
| 76 | Controlling electromagnetic scattering with wire metamaterial resonators. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 1910. | 0.8 | 16 |
| 77 | Switchable invisibility of dielectric resonators. Physical Review B, 2017, 95, . | 1.1 | 16 |
| 78 | Superabsorption of light by nanoparticles. Nanoscale, 2015, 7, 18897-18901. | 2.8 | 15 |
| 79 | Measurement of beauty photoproduction near threshold using di-electron events with the H1 detector at HERA. European Physical Journal C, 2012, 72, 1. | 1.4 | 13 |
| 80 | Topological transition in coated wire medium. Physica Status Solidi - Rapid Research Letters, 2016, 10, 900-904. | 1.2 | 13 |
| 81 | Determination of the integrated luminosity at HERA using elastic QED Compton events. European Physical Journal C, 2012, 72, 1. | 1.4 | 12 |
| 82 | The binding energy of excitons in narrow quantum wells. Journal of Physics: Conference Series, 2017, 816, 012018. | 0.3 | 12 |
| 83 | Acceleration of radiative recombination in quasi-2D perovskite films on hyperbolic metamaterials. Applied Physics Letters, 2021, 118, . | 1.5 | 12 |
| 84 | Giant spatial-dispersion-induced birefringence in metamaterials. Physical Review B, 2016, 93, . | 1.1 | 11 |
| 85 | Parton distribution functions at LO, NLO and NNLO with correlated uncertainties between orders. European Physical Journal C, 2014, 74, 1. | 1.4 | 10 |
| 86 | A fluid-guided printing strategy for patterning high refractive index photonic microarrays. Science Bulletin, 2021, 66, 250-256. | 4.3 | 10 |
| 87 | Measurement of the azimuthal correlation between the most forward jet and the scattered positron in deep-inelastic scattering at HERA. European Physical Journal C, 2012, 72, 1. | 1.4 | 9 |
| 88 | Wire-Medium Hyperlens for Enhancing Radiation From Subwavelength Dipole Sources. IEEE Transactions on Antennas and Propagation, 2015, 63, 4848-4856. | 3.1 | 9 |
| 89 | Approach for fine-tuning of hybrid dimer antennas via laser melting at the nanoscale. Annalen Der Physik, 2017, 529, 1600272. | 0.9 | 9 |
| 90 | Calculation of Energy States of Excitons in Square Quantum Wells. Semiconductors, 2018, 52, 551-553. | 0.2 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | Toroidal Dipole Mode Observation In Situ. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900406. | 0.7 | 9 |
| 92 | A parametric study of radiative dipole body array coil for 7T MRI. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2020, 39, 100764. | 1.0 | 9 |
| 93 | Longitudinal electromagnetic waves with extremely short wavelength. <i>Physical Review B</i> , 2021, 104, . | 1.1 | 9 |
| 94 | Potential Splitting Approach to Positron Scattering Off the Hydrogen Atom and the Positive Helium Ion. <i>Few-Body Systems</i> , 2017, 58, 1. | 0.7 | 9 |
| 95 | Measurement of inclusive and dijet π^+ -meson cross sections in photoproduction at HERA. <i>European Physical Journal C</i> , 2012, 72, 1. | 1.4 | 8 |
| 96 | Asymptotic method for determining the amplitude for three-particle breakup: Neutron-deuteron scattering. <i>Physics of Atomic Nuclei</i> , 2013, 76, 126-138. | 0.1 | 8 |
| 97 | Measurement of charged particle spectra in deep-inelastic ep scattering at HERA. <i>European Physical Journal C</i> , 2013, 73, 1. | 1.4 | 8 |
| 98 | Anomalous polarization conversion in arrays of ultrathin ferromagnetic nanowires. <i>Physical Review B</i> , 2015, 92, . | 1.1 | 8 |
| 99 | Imaging of two samples with a single transmit/receive channel using coupled ceramic resonators for MR microscopy at 17.2 T. <i>NMR in Biomedicine</i> , 2020, 33, e4397. | 1.6 | 8 |
| 100 | A Semi-Analytical Model of High-Permittivity Dielectric Ring Resonators for Magnetic Resonance Imaging. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 6317-6329. | 3.1 | 8 |
| 101 | Visualization of Metasurface Eigenmodes with Magnetic Resonance Imaging. <i>Physical Review Applied</i> , 2021, 16, . | 1.5 | 8 |
| 102 | Exciton-polariton interference controlled by electric field. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 8 |
| 103 | Nonlinear symmetry breaking in photometamaterials. <i>Physical Review B</i> , 2018, 97, . | 1.1 | 7 |
| 104 | Dark-field imaging as a noninvasive method for characterization of whispering gallery modes in microdisk cavities. <i>Optics Letters</i> , 2016, 41, 749. | 1.7 | 6 |
| 105 | Harnessing superdirectivity in dielectric spherical multilayer antennas. <i>Physical Review B</i> , 2021, 104, . | 1.1 | 6 |
| 106 | The two-point correlation function in the six-vertex model. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 155001. | 0.7 | 6 |
| 107 | Binary scattering and breakup in the three-nucleon system. <i>Physics of Atomic Nuclei</i> , 2014, 77, 344-350. | 0.1 | 5 |
| 108 | Theoretical modeling of exciton-light coupling in quantum wells. <i>Journal of Physics: Conference Series</i> , 2016, 690, 012018. | 0.3 | 5 |

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|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Controlling the Radiation Parameters of a Resonant Medium Excited by a Sequence of Ultrashort Superluminal Pulses. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2016, 120, 423-433. | 0.2 | 5 |
| 110 | Microwave platform as a valuable tool for characterization of nanophotonic devices. Scientific Reports, 2016, 6, 35516. | 1.6 | 5 |
| 111 | The arrowhead decomposition method for a block-tridiagonal system of linear equations. Journal of Physics: Conference Series, 2017, 929, 012035. | 0.3 | 5 |
| 112 | Classification of Energy States of the Exciton in Square Quantum Well. Semiconductors, 2018, 52, 1791-1794. | 0.2 | 5 |
| 113 | Ultrahigh field magnetic resonance imaging: new frontiers and possibilities in human imaging. Physics-Uspexhi, 2019, 62, 1214-1232. | 0.8 | 5 |
| 114 | All-dielectric metamirror for independent and asymmetric wave-front control. Physical Review B, 2019, 100, . | 1.1 | 5 |
| 115 | Flat photonics for broadband light-trapping. Applied Physics Letters, 2020, 117, . | 1.5 | 5 |
| 116 | Optical cloaking with ENZ-metamaterials. , 2015, , . | | 4 |
| 117 | Laser printing of Au/Si core-shell nanoparticles. Journal of Physics: Conference Series, 2016, 741, 012119. | 0.3 | 4 |
| 118 | Single-stage fabrication of low-loss dielectric nanoresonators from high-loss material. Journal of Physics: Conference Series, 2016, 690, 012020. | 0.3 | 4 |
| 119 | Determination of the conformal-field-theory central charge by the Wang-Landau algorithm. Physical Review E, 2017, 95, 063308. | 0.8 | 4 |
| 120 | Application of High-Q dielectric resonators for wireless power transfer system. , 2015, , . | | 3 |
| 121 | Modeling of formation mechanism and optical properties of Si/Au core-shell nanoparticles. , 2016, , . | | 3 |
| 122 | High permittivity dielectric resonators for wireless power transfer system. , 2016, , . | | 3 |
| 123 | Asymptotics of the binary amplitude for a model Faddeev equation. Bulletin of the Russian Academy of Sciences: Physics, 2016, 80, 237-241. | 0.1 | 3 |
| 124 | Tunable hybrid metasurfaces for MRI applications. AIP Conference Proceedings, 2017, , . | 0.3 | 3 |
| 125 | Enhancement of magnetic resonance imaging with metasurfaces: From concept to human trials. , 2017, , . | | 3 |
| 126 | In vivo magnetic resonance imaging of human knee with metasurface. , 2017, , . | | 3 |

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|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | Finite size scaling in the dimer and six-vertex model. Journal of Physics: Conference Series, 2018, 1135, 012024. | 0.3 | 3 |
| 128 | Numerical modeling of indirect excitons in double quantum wells in an external electric field. Journal of Physics: Conference Series, 2019, 1199, 012018. | 0.3 | 3 |
| 129 | Obstruction tolerant metasurface-based wireless power transfer system for multiple receivers. Photonics and Nanostructures - Fundamentals and Applications, 2020, 41, 100835. | 1.0 | 3 |
| 130 | An Estimate for the Nonradiative Linewidths of the Quasibound Electron-Hole Pairs in Narrow Quantum Wells. Semiconductors, 2019, 53, 2049-2051. | 0.2 | 3 |
| 131 | Applying Faddeev equations to the n-d scattering problem. Bulletin of the Russian Academy of Sciences: Physics, 2012, 76, 913-917. | 0.1 | 2 |
| 132 | Metamaterials for wireless power transfer. , 2015, , . | | 2 |
| 133 | Spatial dispersion in metamaterials based on three-dimensional arrays of spheres and disks. , 2015, , . | | 2 |
| 134 | Optical tuning of near and far fields form hybrid dimer nanoantennas via laser-induced melting. Journal of Physics: Conference Series, 2016, 741, 012152. | 0.3 | 2 |
| 135 | Experimental investigation of wireless power transfer systems based on dielectric resonators. , 2016, , . | | 2 |
| 136 | Direct Femtosecond Laser Writing of Optical Nanoresonators. Journal of Physics: Conference Series, 2016, 690, 012021. | 0.3 | 2 |
| 137 | Resonators for wireless power transfer systems. , 2017, , . | | 2 |
| 138 | The neutron-deuteron scattering problem in the framework of the Faddeev formalism. Physics of Particles and Nuclei, 2017, 48, 882-884. | 0.2 | 2 |
| 139 | A metasolenoid-like resonator for MRI applications. , 2017, , . | | 2 |
| 140 | Mode hopping in arrays of resonant thin wires over a dielectric interface. Physical Review B, 2018, 98, . | 1.1 | 2 |
| 141 | Functional metasurfaces based on water. Journal of Physics: Conference Series, 2018, 1092, 012103. | 0.3 | 2 |
| 142 | Experimental observation of spin-locked propagation of topological edge states in an open non-Hermitian metasurface. Journal of Physics: Conference Series, 2018, 1092, 012176. | 0.3 | 2 |
| 143 | Magnetic Resonance Spectroscopy at 1.5 T with a Hybrid Metasurface. JETP Letters, 2018, 108, 423-427. | 0.4 | 2 |
| 144 | Superdirective dielectric spherical multilayer antennae. , 2019, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 145 | Linewidths and energy shifts of electron-impurity resonant states in quantum wells with infinite barriers. <i>Physical Review B</i> , 2022, 105, . | 1.1 | 2 |
| 146 | Merging metamaterials with quantum photonics. , 2015, , . | | 1 |
| 147 | Self-complementary zig-zag metasurfaces for designing circular polarizing beam splitters. , 2015, , . | | 1 |
| 148 | Antireflective properties of periodic nanopore arrays. , 2015, , . | | 1 |
| 149 | Emulation of complex optical phenomena with radio waves: Tailoring scattering characteristics with wire metamaterial. , 2015, , . | | 1 |
| 150 | The role of Purcell effect for third harmonic generation. <i>Journal of Physics: Conference Series</i> , 2016, 690, 012034. | 0.3 | 1 |
| 151 | Manipulating Fano resonance via fs-laser melting of hybrid oligomers at nanoscale. <i>Journal of Physics: Conference Series</i> , 2016, 741, 012140. | 0.3 | 1 |
| 152 | Advanced electromagnetic materials for magnetic resonance imaging. , 2016, , . | | 1 |
| 153 | Wireless power transfer system based on high-index dielectric resonators. , 2016, , . | | 1 |
| 154 | Transition from photonic crystals to dielectric metamaterials: A phase diagram and the order parameter. <i>Proceedings of SPIE</i> , 2016, , . | 0.8 | 1 |
| 155 | Metasurfaces provide a new way for building magnetic resonance imaging scanners. , 2016, , . | | 1 |
| 156 | Colossal permittivity resonators for wireless power transfer systems. , 2017, , . | | 1 |
| 157 | Multipolar modes in dielectric disk resonator for wireless power transfer. <i>AIP Conference Proceedings</i> , 2017, , . | 0.3 | 1 |
| 158 | A mechanically tunable and efficient ceramic probe for MR-microscopy at 17 Tesla. <i>AIP Conference Proceedings</i> , 2017, , . | 0.3 | 1 |
| 159 | Dielectric resonators for mid-range wireless power transfer application. , 2017, , . | | 1 |
| 160 | The Three-Body Coordinate Asymptotics with Explicitly Orthogonalized Channels. <i>Few-Body Systems</i> , 2017, 58, 1. | 0.7 | 1 |
| 161 | All-dielectric bianisotropic and multimode unidirectional microwave metasurfaces. , 2017, , . | | 1 |
| 162 | Numerical determination of the CFT central charge in the site-diluted Ising model. <i>Journal of Physics: Conference Series</i> , 2017, 929, 012037. | 0.3 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 163 | Numerical study of magnetic wireless power transfer system based on magnetic modes of dielectric disk resonator. , 2017, , . | | 1 |
| 164 | Wireless power transfer through multipole coupling in dielectric resonators. , 2017, , . | | 1 |
| 165 | Self-complementary tessellations as universal design approach for LP-to-CP transforming frequency selective surfaces. , 2018, , . | | 1 |
| 166 | Reply to Comment on "Plasmons in Waveguide Structures Formed by Two Graphene Layers" JETP Letters, 2019, 109, 770-770. | 0.4 | 1 |
| 167 | Non-Huygens Invisible Metasurfaces. , 2019, , . | | 1 |
| 168 | Metasurface for Wireless Power Transfer to Multiple Receivers. , 2019, , . | | 1 |
| 169 | Attraction Optical Forces inside Hyperbolic Metamaterials. , 2016, , . | | 1 |
| 170 | Enhancement of photovoltaic absorption in thin-film silicon solar cells by all-dielectric light-trapping and antireflective coatings. , 2015, , . | | 0 |
| 171 | Laser writing of nanoparticle-based plasmonic structures. , 2015, , . | | 0 |
| 172 | Direct measurements of magnetic and electric optical responses from silicon nanoparticles. , 2015, , . | | 0 |
| 173 | Input impedance of small antenna provides Purcell factor. , 2015, , . | | 0 |
| 174 | Scattering suppression with homogeneous ENZ-media. , 2015, , . | | 0 |
| 175 | Fano resonance in chains of dielectric nanoparticles with side-coupled resonator. , 2015, , . | | 0 |
| 176 | Metamaterials and resonators for wireless power transfer. , 2015, , . | | 0 |
| 177 | Chiral near-field formation with all-dielectric nanoantennas. , 2016, , . | | 0 |
| 178 | Experimental characterization of microwave self-complementary metasurfaces for linear-to-circular polarization transform. , 2016, , . | | 0 |
| 179 | Polarization and angle dependent enhancement of Raman scattering from silicon nanodisks. , 2016, , . | | 0 |
| 180 | Substrate-mediated antireflective properties of silicon nanoparticle array. , 2016, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 181 | Raman scattering governed by dark resonant modes in silicon nanoparticles. , 2016, , . | | 0 |
| 182 | Tuning of hybrid oligomers via femtosecond laser reshaping at nanoscale. , 2016, , . | | 0 |
| 183 | Reversible and non-reversible tuning of hybrid optical nanoresonators. , 2016, , . | | 0 |
| 184 | Laser-Induced Periodical Structures Fabrication for Third Harmonic Generation. Journal of Physics: Conference Series, 2016, 741, 012112. | 0.3 | 0 |
| 185 | Fano resonance can make a homogeneous cylinder invisible: theoretical proposal and experimental demonstration. , 2016, , . | | 0 |
| 186 | Optical diffraction by two-dimensional photonic structures with hexagonal symmetry. Physics of the Solid State, 2016, 58, 1412-1419. | 0.2 | 0 |
| 187 | Tuning of hybrid nanostructures via fs-laser reshaping at nanoscale. , 2016, , . | | 0 |
| 188 | Ultrafast magnetic light. , 2016, , . | | 0 |
| 189 | Safety aspects of the metamaterial resonator for application in magnetic resonance imaging. , 2016, , . | | 0 |
| 190 | Design of microwave all-dielectric focusing metasurface based on bianisotropic resonators. AIP Conference Proceedings, 2017, , . | 0.3 | 0 |
| 191 | Spectroscopy of topological photonic states in dielectric metasurfaces. AIP Conference Proceedings, 2017, , . | 0.3 | 0 |
| 192 | Enhancement of second harmonic generation in chiral metal-organic frameworks with silicon nanoparticles. AIP Conference Proceedings, 2017, , . | 0.3 | 0 |
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