

Alexander V Vinogradov

List of Publications by Year in descending order

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5656
citing authors

#	ARTICLE	IF	CITATIONS
1	Space-Time Coupling: Current Concept and Two Examples from Ultrafast Optics Studied Using Exact Solution of EM Equations. <i>Symmetry</i> , 2021, 13, 529.	1.1	4
2	Lensless Reflection Imaging of Obliquely Illuminated Objects I: Choosing a Domain for Phase Retrieval and Ptychography. <i>Symmetry</i> , 2021, 13, 1439.	1.1	1
3	Free Space Strange and Unipolar EM Pulses: Yes or No?. <i>Foundations</i> , 2021, 1, 169-174.	0.4	7
4	CrB ₂ diffusion barriers for Mo/Si multilayer structures. <i>Materials Research Express</i> , 2019, 6, 056413.	0.8	1
5	Short-Period Multilayer X-ray Mirrors for "Water" and "Carbon Windows" Wavelengths. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 518-531.	0.9	17
6	On angiography with a Thomson laser-electron X-ray generator. <i>Quantum Electronics</i> , 2017, 47, 75-78.	0.3	2
7	Formation of periodic relief at Sc/Si multilayer surface under EUV laser irradiation. , 2017, , .		1
8	Evaluation of laser-electron x-ray source and related optics for x-ray diffractometry and topography. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
9	Thomson scattering laser-electron X-ray source for reduction of patient radiation dose in interventional coronary angiography. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
10	Design study of Thomson Laser-Electron X-ray Generator (LEX) for Millisecond Angiography. <i>Journal of Physics: Conference Series</i> , 2017, 784, 012002.	0.3	3
11	The approach to reflection x-ray microscopy below the critical angles. , 2017, , .		0
12	On the Thomson cross section of light scattering by a moving particle. <i>Bulletin of the Lebedev Physics Institute</i> , 2017, 44, 123-126.	0.1	1
13	Quantitative analysis of patient radiation dose in interventional coronary angiography with a monochromatic source. <i>Biomedical Physics and Engineering Express</i> , 2017, 3, 057001.	0.6	1
14	On contrast of biological X-ray nanomicroscopy. <i>Quantum Electronics</i> , 2017, 47, 1041-1044.	0.3	0
15	Thomson linac-based X-ray generator: a primer for theory and design. <i>Laser and Particle Beams</i> , 2016, 34, 637-644.	0.4	16
16	2D simulation of coherent images of tilted objects. <i>Bulletin of the Lebedev Physics Institute</i> , 2016, 43, 115-120.	0.1	1
17	X-ray reduction imaging of inclined reflective masks at critical angles. <i>Quantum Electronics</i> , 2016, 46, 839-844.	0.3	4
18	Influence of the electron beam emittance on the polarization of a laser-electron x-ray generator. <i>Physical Review Accelerators and Beams</i> , 2016, 19, .	0.6	2

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19	On the Optical Transforms in the Fourier Space for Simulation of Coherent Imaging of Tilted Objects. Springer Proceedings in Physics, 2016, , 281-289.	0.1	0
20	Simulation of Coherent X-Ray Imaging of Tilted Objects in the Fourier Space. Journal of Russian Laser Research, 2015, 36, 167-174.	0.3	1
21	Submicron scale image observation with a grazing incidence reflection-type single-shot soft X-ray microscope. Japanese Journal of Applied Physics, 2014, 53, 080302.	0.8	5
22	Optical Transforms Related to Coherent Imaging of Inclined Objects. Springer Proceedings in Physics, 2014, , 19-27.	0.1	1
23	Coherent scattering from tilted objects. Journal of Optics (United Kingdom), 2014, 16, 035703.	1.0	12
24	Round-Trip-Time Nonlinear Dynamics of Electro-Optically-Controlled Solid State Lasers. Journal of Russian Laser Research, 2014, 35, 492-500.	0.3	1
25	Effect of working gas pressure on interlayer mixing in magnetron-deposited Mo/Si multilayers. Optical Engineering, 2013, 52, 095104.	0.5	8
26	Soft x-ray free-electron laser imaging by LiF crystal and film detectors over a wide range of fluences. Applied Optics, 2013, 52, 509.	0.9	18
27	Optical features of a LiF crystal soft x-ray imaging detector irradiated by free electron laser pulses. Optics Express, 2012, 20, 3424.	1.7	24
28	Simulation of grazing-incidence coherent imaging. Quantum Electronics, 2012, 42, 140-142.	0.3	3
29	Characterizing the luminescence properties of LiF crystal imaging detectors using femtosecond soft X-ray monochromatic free electron laser radiation. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2239-2242.	0.8	1
30	Sliced linear zone plates for hard X-ray radiation. Technical Physics, 2012, 57, 1283-1288.	0.2	2
31	The influence of working gas pressure on interlayer mixing in magnetron-deposited Mo/Si multilayers. , 2011, , .		0
32	Theoretical study of coherent reflection imaging at grazing angles. , 2011, , .		1
33	X-ray radiation of laser plasma of carbon nanotubes. Bulletin of the Lebedev Physics Institute, 2011, 38, 172-176.	0.1	0
34	Performance and operation of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03010-T03010.	0.5	59
35	Time reconstruction and performance of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03011-T03011.	0.5	34
36	Performance of CMS hadron calorimeter timing and synchronization using test beam, cosmic ray, and LHC beam data. Journal of Instrumentation, 2010, 5, T03013-T03013.	0.5	20

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37	Performance of the CMS drift tube chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03015-T03015.	0.5	24
38	Calibration of the CMS drift tube chambers and measurement of the drift velocity with cosmic rays. Journal of Instrumentation, 2010, 5, T03016-T03016.	0.5	17
39	Performance study of the CMS barrel resistive plate chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03017-T03017.	0.5	25
40	Performance of the CMS cathode strip chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03018-T03018.	0.5	20
41	Aligning the CMS muon chambers with the muon alignment system during an extended cosmic ray run. Journal of Instrumentation, 2010, 5, T03019-T03019.	0.5	19
42	Measurement of the muon stopping power in lead tungstate. Journal of Instrumentation, 2010, 5, P03007-P03007.	0.5	25
43	Performance of the CMS Level-1 trigger during commissioning with cosmic ray muons and LHC beams. Journal of Instrumentation, 2010, 5, T03002-T03002.	0.5	24
44	Performance of the CMS drift-tube chamber local trigger with cosmic rays. Journal of Instrumentation, 2010, 5, T03003-T03003.	0.5	19
45	Commissioning and performance of the CMS silicon strip tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03008-T03008.	0.5	25
46	Alignment of the CMS silicon tracker during commissioning with cosmic rays. Journal of Instrumentation, 2010, 5, T03009-T03009.	0.5	59
47	Commissioning of the CMS experiment and the cosmic run at four tesla. Journal of Instrumentation, 2010, 5, T03001-T03001.	0.5	37
48	Fine synchronization of the CMS muon drift-tube local trigger using cosmic rays. Journal of Instrumentation, 2010, 5, T03004-T03004.	0.5	18
49	Commissioning of the CMS High-Level Trigger with cosmic rays. Journal of Instrumentation, 2010, 5, T03005-T03005.	0.5	5
50	Performance of the CMS hadron calorimeter with cosmic ray muons and LHC beam data. Journal of Instrumentation, 2010, 5, T03012-T03012.	0.5	36
51	Alignment of the CMS muon system with cosmic-ray and beam-halo muons. Journal of Instrumentation, 2010, 5, T03020-T03020.	0.5	23
52	Precise mapping of the magnetic field in the CMS barrel yoke using cosmic rays. Journal of Instrumentation, 2010, 5, T03021-T03021.	0.5	36
53	Performance of CMS muon reconstruction in cosmic-ray events. Journal of Instrumentation, 2010, 5, T03022-T03022.	0.5	52
54	CMS data processing workflows during an extended cosmic ray run. Journal of Instrumentation, 2010, 5, T03006-T03006.	0.5	19

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55	Commissioning and performance of the CMS pixel tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03007-T03007.	0.5	35
56	Study of various photomultiplier tubes with muon beams and Čerenkov light produced in electron showers. Journal of Instrumentation, 2010, 5, P06002-P06002.	0.5	5
57	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at $\sqrt{s} = 0.9$ and 2.36 TeV. Journal of High Energy Physics, 2010, 2010, 1.	1.6	230
58	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	1.6	497
59	Measurement of the charge ratio of atmospheric muons with the CMS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 692, 83-104.	1.5	38
60	Soft X-ray imaging of thick carbon-based materials using the normal incidence multilayer optics. Micron, 2010, 41, 722-728.	1.1	13
61	Identification and filtering of uncharacteristic noise in the CMS hadron calorimeter. Journal of Instrumentation, 2010, 5, T03014-T03014.	0.5	57
62	First Measurement of Bose-Einstein Correlations in Proton-Proton Collisions at $\sqrt{s} = 0.9$ and 2.36 TeV at the LHC. Physical Review Letters, 2010, 105, 032001.	2.9	49
63	Collisions at $\sqrt{s} = 0.9$ and 2.36 TeV at the LHC. Physical Review Letters, 2010, 105, 032001.	2.9	400
64	Search for Dijet Resonances in 7 TeV Collisions at CMS. Physical Review Letters, 2010, 105, 211801.	2.9	126
65	Advances in full field microscopy with table-top soft x-ray lasers. Proceedings of SPIE, 2009, , .	0.8	1
66	Mechanisms of radiation damage to Sc/Si multilayer mirrors under EUV laser irradiation. Journal Physics D: Applied Physics, 2009, 42, 125407.	1.3	8
67	Design study of compact Laser-Electron X-ray Generator for material and life sciences applications. Journal of Instrumentation, 2009, 4, P07017-P07017.	0.5	16
68	Zone plates for hard X-rays fabricated with the SPCVD technology. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 603, 66-68.	0.7	5
69	Cherenkov glue in opaque nuclear medium. Nuclear Physics A, 2009, 826, 190-197.	0.6	11
70	Optical unit of Laser-Electron X-ray Generator designed for medical applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, S32-S35.	0.7	8
71	On the explicit parametric description of waves in periodic media. Computational Mathematics and Mathematical Physics, 2009, 49, 1069-1079.	0.2	4
72	Soft X-ray microscopy in the spectral region of the carbon window with the use of multilayer optics and a laser-plasma source. Journal of Experimental and Theoretical Physics, 2009, 109, 872-884.	0.2	8

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73	X-ray Schwarzschild objective for the carbon window ($\lambda \sim 45$ nm). Optics Letters, 2009, 34, 2930.	1.7	19
74	Submicrosecond regular and chaotic nonlinear dynamics in a pulsed picosecond Nd:YAG laser with millisecond pumping. Applied Optics, 2009, 48, 2267.	2.1	8
75	High resolution full-field imaging of nanostructures using compact extreme ultraviolet lasers. Journal of Physics: Conference Series, 2009, 186, 012026.	0.3	2
76	Beam propagation through straight and bent Bragg waveguides: Numerical simulation. , 2009, , .		2
77	Extreme ultraviolet spectroscopy diagnostics of low-temperature plasmas based on a sliced multilayer grating and glass capillary optics. Review of Scientific Instruments, 2008, 79, 10F542.	0.6	6
78	Single-shot extreme ultraviolet laser imaging of nanostructures with wavelength resolution. Optics Letters, 2008, 33, 518.	1.7	94
79	Laser-electron generator for X-ray applications in science and technology. Laser and Particle Beams, 2008, 26, 489-495.	0.4	31
80	Model problem of Bragg fiber design. , 2008, , .		2
81	On the waveguide leaky losses induced by the outer cladding. Journal of Optics, 2008, 10, 085003.	1.5	1
82	Structure of the core-cladding interface and radiation losses in hollow planar Bragg waveguides. Quantum Electronics, 2008, 38, 1039-1044.	0.3	0
83	Graded multilayer mirrors for the carbon window Schwarzschild objective. , 2008, , .		1
84	Analytical Approach to Bragg Fiber Design: Scalar Approximation. , 2007, , .		0
85	Quasi CW mode, regular and chaotic dynamics in picosecond Nd:YAG laser with millisecond pumping under optoelectronic feedback control. , 2007, , .		0
86	Scalar theory of low-contrast Bragg waveguides. Quantum Electronics, 2007, 37, 873-880.	0.3	13
87	Advances in short-wavelength x-ray multilayer optics: toward high-throughput multimirror systems for the wavelengths $\lambda < 10$ nm. Proceedings of SPIE, 2007, , .	0.8	3
88	Relativistic Thomson scattering in compact linacs and storage rings: a route to quasi-monochromatic tunable laboratory-scale x-ray sources. Proceedings of SPIE, 2007, , .	0.8	4
89	High spatial resolution full-field microscopy using a desktop-size soft x-ray laser. Proceedings of SPIE, 2007, , .	0.8	3
90	Structural transformations in Sc/Si multilayers irradiated by EUV lasers. Proceedings of SPIE, 2007, , .	0.8	1

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91	Effect of polymer coating on leakage losses in Bragg fibers. Optics Letters, 2007, 32, 1202.	1.7	20
92	Fabrication of x-ray zone plates by surface-plasma chemical vapor deposition. Applied Optics, 2007, 46, 5964.	2.1	12
93	Development of an ultrahigh-resolution diffraction grating for soft x-rays. , 2007, , .		6
94	Laser-electron x-ray generator. Journal of Surface Investigation, 2007, 1, 435-442.	0.1	2
95	Fundamental losses in planar Bragg waveguides. Journal of Russian Laser Research, 2007, 28, 576-593.	0.3	2
96	Experimental research of stability of thin films on the basis of depleted uranium as reflecting coating for wavelength of 4.5nm. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 575, 248-250.	0.7	5
97	Determination of the optical constants of amorphous carbon in the EUV spectral region 40-450 eV. , 2006, 6317, 298.		4
98	Algorithm for calculating the optimal parameters of multilayer aperiodic mirrors for soft X-rays. Quantum Electronics, 2005, 35, 195-199.	0.3	5
99	Reflection mode imaging with nanoscale resolution using a compact extreme ultraviolet laser. Optics Express, 2005, 13, 3983.	1.7	43
100	Nanoimaging with a compact extreme-ultraviolet laser. Optics Letters, 2005, 30, 2095.	1.7	58
101	Carbon window soft x-ray imaging using multilayer optics. , 2005, , .		8
102	X-ray microscopy in the carbon window region. Quantum Electronics, 2004, 34, 691-692.	0.3	17
103	Soft X-ray multilayer mirrors based on depleted uranium. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 517, 372-377.	0.7	11
104	Efficient method for the determination of extreme-ultraviolet optical constants in reactive materials: application to scandium and titanium. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2004, 21, 298.	0.8	40
105	A Source of Soft X-Rays Based on a Radial Magnetron Gun. Instruments and Experimental Techniques, 2003, 46, 697-701.	0.1	0
106	Extremely compact soft X-ray lasers based on capillary discharges. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 507, 515-522.	0.7	16
107	Determination of the parameters of multilayer nanostructures using two-wave X-ray reflectometry. Semiconductors, 2003, 37, 675-680.	0.2	4
108	The use of perfect crystals in high-resolution X-ray spectroscopy. JETP Letters, 2003, 78, 624-626.	0.4	0

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109	Quantitative analysis of bone mineral content by x-ray microtomography. <i>Physiological Measurement</i> , 2003, 24, 165-178.	1.2	55
110	Recent results in capillary discharge soft x-ray laser research. , 2003, 5197, 174.		0
111	Repetitively pulsed X-ray laser operating on the 3p ³ 3s transition of the Ne-like argon in a capillary discharge. <i>Quantum Electronics</i> , 2003, 33, 7-17.	0.3	19
112	Application of a refractive bubbles-in-capillary x-ray lens to Xpinch experiments. <i>Review of Scientific Instruments</i> , 2003, 74, 2247-2250.	0.6	6
113	Multilayer X-ray optics. <i>Quantum Electronics</i> , 2002, 32, 1113-1121.	0.3	20
114	Application of the parabolic wave equation to the simulation of refractive x-ray multilenses. , 2002, , .		1
115	Wavefront transformation and the modulation transfer function of x-ray multilayer mirrors. <i>Journal of Optics</i> , 2002, 4, 233-236.	1.5	0
116	Skylab 3600 groove/mm replica grating with a scandium-silicon multilayer coating and high normal-incidence efficiency at 38-nm wavelength. <i>Applied Optics</i> , 2002, 41, 1846.	2.1	16
117	Optical properties of sliced multilayer gratings. <i>Optics Communications</i> , 2002, 210, 179-186.	1.0	17
118	Laser ² “Electron X-Ray Source for Medical Applications. <i>Instruments and Experimental Techniques</i> , 2002, 45, 718-723.	0.1	4
119	<title>Structure, thermal stability, and reflectivity of Sc/Si and Sc/W/Si/W multilayer x-ray mirrors</title>. , 2001, 4505, 230.		16
120	Generation and application of a high-average-power polarized soft-x-ray laser beam. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2001, 18, 1041.	0.9	10
121	<title>X-ray study of surfaces and interfaces</title>. , 2001, 4449, 253.		7
122	<title>Semitransparent monochromators for x-ray imaging based on highly oriented pyrolytic graphite (HOPG)</title>. , 2001, , .		0
123	X-ray microscopy of track membranes and biological objects in the soft-and hard-wavelength ranges. <i>Crystallography Reports</i> , 2001, 46, 596-600.	0.1	0
124	The prospects of reflectometry and ellipsometry with Colorado State University tabletop XUV laser. <i>European Physical Journal Special Topics</i> , 2001, 11, Pr2-451-Pr2-457.	0.2	1
125	Applications of high repetition rate tabletop soft X-ray lasers become a reality in several fields. <i>European Physical Journal Special Topics</i> , 2001, 11, Pr2-459-Pr2-468.	0.2	2
126	Polarization elements for controlling of a beam of the compact discharge X-ray laser. <i>European Physical Journal Special Topics</i> , 2001, 11, Pr2-523-Pr2-526.	0.2	0

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127	Application of the Statistical Dynamical Theory of X-Ray Diffraction to Calculation of the HOPG Echelon-Monochromator Parameters. <i>Physica Status Solidi A</i> , 2000, 179, 311-317.	1.7	4
128	Macroscopic Approach to Quantum Optics. <i>Fortschritte Der Physik</i> , 2000, 48, 717-746.	1.5	2
129	Capillary discharge tabletop soft X-ray lasers reach new wavelengths and applications. <i>Comptes Rendus Physique</i> , 2000, 1, 1065-1081.	0.1	5
130	Sc ²⁺ Si normal incidence mirrors for a VUV interval of 35-50 nm. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 448, 147-151.	0.7	20
131	Two-channel X-ray reflectometer. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 448, 184-187.	0.7	5
132	An approach to the theory of X-ray multilayers with graded period. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 448, 142-146.	0.7	7
133	Imaging of filtration channels in track membranes by the Schwarzschild X-ray microscope. <i>Doklady Physics</i> , 2000, 45, 248-251.	0.2	1
134	On the reflectivity of surfaces with thin transition or contaminated layers. <i>Journal of Russian Laser Research</i> , 2000, 21, 62-68.	0.3	8
135	Focusing the beam of a compact, repetitively pulsed x-ray laser to study the interaction of radiation with metallic targets and x-ray reflectometry. <i>Quantum Electronics</i> , 2000, 30, 328-332.	0.3	3
136	Reflection from surfaces with a thin overlayer. <i>Optics Letters</i> , 2000, 25, 998.	1.7	3
137	XUV laser reflectometry for optical constant determination. , 1999, 3776, 224.		1
138	Soft-x-ray laser interferometry of a pinch discharge using a tabletop laser. <i>Physical Review E</i> , 1999, 60, 911-917.	0.8	28
139	New methods of X-ray reflectometry of solids and solid thin films. <i>Journal of Russian Laser Research</i> , 1999, 20, 136-151.	0.3	3
140	Determination of XUV optical constants by reflectometry using a high-repetition rate 46.9-nm laser. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1999, 5, 1495-1501.	1.9	34
141	Focusing of a tabletop soft-x-ray laser beam and laser ablation. <i>Optics Letters</i> , 1999, 24, 1714.	1.7	65
142	Two-wave x-ray methods for characterization of supersmooth substrates and thin films. , 1999, , .		0
143	Theory of x-ray multilayers with graded period. , 1999, , .		4
144	High-reflectivity multilayer mirrors for a vacuum-ultraviolet interval of 35-50 nm. <i>Optics Letters</i> , 1998, 23, 771.	1.7	80

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145	Determination of the roughness of concave laser mirrors. Quantum Electronics, 1997, 27, 824-829.	0.3	4
146	<title>Optical properties of 3D transition metals in the spectral interval of interest for discharge-pumped XUV lasers</title>. , 1997, , .		5
147	Diffraction phenomena inside thick Fresnel zone plates. Radio Science, 1996, 31, 1815-1822.	0.8	11
148	Application of the nonequilibrium diagram technique to strongly driven atomic systems. Journal of Russian Laser Research, 1996, 17, 551-578.	0.3	0
149	A single-molecule interferometer for measurement of femtosecond laser pulse duration. Optics Communications, 1996, 127, 223-229.	1.0	2
150	Synthesis and measurement of Os-Si multilayer mirrors optimized for the wavelength 380 Å... Optics Communications, 1996, 125, 13-17.	1.0	6
151	Entangled vibrational states in polyatomic molecules. Physical Review A, 1996, 54, 5110-5117.	1.0	9
152	Synthesis and measurement of Os-Si multilayer mirrors optimized for the wavelength 380 Å, «. , 1995, , .		1
153	Gratings and zone plates based on sliced multilayer structures. , 1995, , .		3
154	X-ray investigations of supersmooth surfaces. , 1995, 2453, 141.		7
155	Concentrators of soft x-rays. Journal of Russian Laser Research, 1995, 16, 535-550.	0.3	0
156	Multilayer x-ray mirrors. Journal of Russian Laser Research, 1995, 16, 343-385.	0.3	13
157	Application of the parabolic wave equation to X-ray diffraction optics. Optics Communications, 1995, 118, 619-636.	1.0	70
158	Numerical simulation of x-ray zone plates with high aspect ratio. AIP Conference Proceedings, 1995, , .	0.3	0
159	Schwarzschild soft-x-ray microscope for imaging of nonradiating objects. Optics Letters, 1995, 20, 2451.	1.7	37
160	Competition between geometrical and dynamical squeezing during a Franck-Condon transition. Physical Review A, 1994, 50, 732-740.	1.0	15
161	Analytical theory of zone plate efficiency. Physical Review E, 1994, 49, 5797-5803.	0.8	19
162	Synthesis and measurement of normal incidence X-ray multilayer mirrors optimized for a photon energy of 390 eV. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 345, 594-603.	0.7	25

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163	High throughput and resolution compact spectrograph for the 124–250 Å... range based on MoSi ₂ -Si sliced multilayer grating. Optics Communications, 1994, 109, 1-4.	1.0	19
164	<title>Modeling of fast capillary discharge for collisionally excited soft x-ray lasers: comparison with experiments</title>. , 1994, 2012, 99.		23
165	Vibrational state shaping for selective laser chemistry. Chemical Physics Letters, 1993, 213, 368-372.	1.2	28
166	Soft X-ray submicron imaging experiments with nanosecond exposure. Optics Communications, 1993, 102, 401-406.	1.0	18
167	Janszky, Adam, and Vinogradov reply. Physical Review Letters, 1992, 68, 3816-3816.	2.9	21
168	Influence of phonon squeezing on the transient spectrum. Spectrochimica Acta Part A: Molecular Spectroscopy, 1992, 48, 31-39.	0.1	14
169	<title>Reflectivity analysis of whispering-gallery mirrors</title>. , 1992, 1551, 155.		2
170	Investigation of interfaces with grazing incidence neutron radiation. Physica B: Condensed Matter, 1991, 174, 174-176.	1.3	3
171	Amplitude squeezed and number-phase intelligent states via coherent state superposition. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 160, 506-510.	0.9	37
172	Grazing-incidence cylindric mirror with multiple reflection for the soft X-ray spectral range. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 308, 340-342.	0.7	2
173	Thomas-fermi approach to the theory of optical constants in the XUV range. Applied Physics B, Photophysics and Laser Chemistry, 1990, 50, 213-220.	1.5	3
174	Gaussian coherent state expansion of the squeezed states. Optics Communications, 1990, 80, 155-158.	1.0	27
175	Phonon squeezing in chirped pulse pump and probe experiments. Optics Communications, 1990, 76, 30-33.	1.0	24
176	Classical resonance absorption in atoms and the theory of optical constants in XUV range. Physica Scripta, 1990, 41, 864-866.	1.2	0
177	Squeezing via one-dimensional distribution of coherent states. Physical Review Letters, 1990, 64, 2771-2774.	2.9	213
178	Study of polarization properties of multilayer X-ray mirrors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 282, 551-552.	0.7	1
179	Study of polarized properties of multilayer x-ray mirrors. Review of Scientific Instruments, 1989, 60, 2124-2125.	0.6	2
180	THE USE OF Ti, Si, C, Be AND LiF IN SOFT X-RAY OPTICS. Journal De Physique Colloque, 1988, 49, C1-303-C1-303.	0.2	0

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181	Basic Formulae of XUV Multilayer Optics. Physica Scripta, 1987, T17, 137-145.	1.2	51
182	Investigation of a steering mirror for the soft X-ray region. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1987, 261, 101-102.	0.7	8
183	XUV CAVITY AND PUMPING OPTICS. Journal De Physique Colloque, 1986, 47, C6-287-C6-297.	0.2	2
184	On the Problem of Extreme UV and X-Ray Lasers. Advances in Atomic and Molecular Physics, 1985, , 327-345.	2.0	10
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