

No.	著者名	タイトル	出版物名	巻	号	頁
1	Tandryo, R., Murakami, K., Okumura, K., Yamada, T., Kitamura, T., Imanishi, M., Yoshimura, M., Mori, Y.	Temperature dependence of nitrogen dissolution on Na flux growth	Journal of Crystal Growth	535		
2	Nakajima, T., Imanishi, M., Yamada, T., Murakami, K., Yoshimura, M., Mori, Y.	Growth of GaN single crystals with high transparency by the Li-added Na-flux method	Journal of Crystal Growth	535		
3	Kitamoto, A., Yamaguchi, Y., Tsuno, S., Ishibashi, K., Gunji, Y., Imanishi, M., Imade, M., Yoshimura, M., Hata, M., Isemura, M., Mori, Y.	Growth of GaN layers using Ga ₂ O vapor synthesized from Ga ₂ O ₃ and carbon	Journal of Crystal Growth	535		
4	Nakata, Y., Miyanaga, N., Osawa, K.	Numerical simulation of an adaptive beam-shaping technique using a phase grating overlapped via a spatial light modulator for precision square-flat-top beam	Applied Physics A: Materials Science and Processing	126	5	
5	Kohno, K., Orii, Y., Sawada, H., Okuyama, D., Shibuya, K., Shimizu, S., Yoshimura, M., Mori, Y., Nishimae, J., Okada, G.	High-power DUV picosecond pulse laser with a gain-switched-LD-seeded MOPA and large CLBO crystal	Optics Letters	45	8	2351-2354
6	Martynenko, A.S., Pikuz, S.A., Skobelev, I.Y., Ryazantsev, S.N., Baird, C., Booth, N., Doehl, L., Durey, P., Faenov, A.Y., Farley, D., Kodama, R., Lancaster, K., McKenna, P., Murphy, C.D., Spindloe, C., Pikuz, T.A., Woolsey, N.	Effect of plastic coating on the density of plasma formed in Si foil targets irradiated by ultra-high-contrast relativistic laser pulses	Physical Review E	101	4	
7	Yamazaki, R., Sato, Y., Sakamoto, T., Serino, M.	Less noticeable shallow decay phase in early X-ray afterglows of GeV/TeV-detected gamma-ray bursts	Monthly Notices of the Royal Astronomical Society	494	4	5259-5269
8	Kurihara, T., Hirota, K., Qiu, H., Phan, K.T.N., Kato, K., Isoyama, G., Nakajima, M.	Reconfiguration of magnetic domain structures of ErFeO ₃ by intense terahertz free electron laser	Scientific Reports	10	1	
9	Cadatal-Raduban, M., Yoshikawa, A., Mui, L.V., Pham, M.H., Shimizu, T., Sarukura, N., Togashi, T., Yamanoi, K.	Investigation of cross luminescence in lanthanum fluoride as a potential fast-response scintillator	Japanese Journal of Applied Physics	59	5	
10	Makarov, S., Pikuz, S., Ryazantsev, S., Pikuz, T., Buzmakov, A., Rose, M., Lazarev, S., Senkbeil, T., Von Gundlach, A., Stuhr, S., Rumancev, C., Dzhigaev, D., Skopintsev, P., Zaluzhnyy, I., Viefhaus, J., Rosenhahn, A., Kodama, R., Vartanyants, I.A.	Soft X-ray diffraction patterns measured by a LiF detector with sub-micrometre resolution and an ultimate dynamic range	Journal of Synchrotron Radiation	27		625-632
11	Katagiri, K., Ozaki, N., Miyanishi, K., Kamimura, N., Umeda, Y., Sano, T., Sekine, T., Kodama, R.	Optical properties of shock-compressed diamond up to 550 GPa	Physical Review B	101	18	
12	Uehara, H., Tsunai, T., Han, B., Goya, K., Yasuhara, R., Potemkin, F., Kawanaka, J., Tokita, S.	40 kHz, 20 ns acousto-optically Q-switched 4 μm Fe:ZnSe laser pumped by a fluoride fiber laser	Optics Letters	45	10	2788-2791
13	Nakata, Y., Hayashi, E., Tsubakimoto, K., Miyanaga, N., Narazaki, A., Shoji, T., Tsuboi, Y.	Nanodot array deposition via single shot laser interference pattern using laser-induced forward transfer	International Journal of Extreme Manufacturing	2	2	
14	Arikawa, Y., Ota, M., Nakajima, M., Shimizu, T., Segawa, S., Khoa Phan, T.N., Sakawa, Y., Abe, Y., Morace, A., Mirfayzi, S.R., Yogo, A., Fujioka, S., Nakai, M., Shiraga, H., Azechi, H., Kodama, R., Kan, K., Frenje, J., Gatu Johnson, M., Bose, A., Kadi, N.V., Sutcliffe, G.D., Adrian, P., Li, C., Séguin, F.H., Petrasso, R.	The conceptual design of 1-ps time resolution neutron detector for fusion reaction history measurement at OMEGA and the National Ignition Facility	Review of Scientific Instruments	91	6	
15	Matsuoka, C., Nishihara, K.	Nonlinear interaction between bulk point vortices and an unstable interface with nonuniform velocity shear such as Richtmyer-Meshkov instability	Physics of Plasmas	27	5	
16	Kawasaki, H., Sunahara, A., Shimada, Y., Ejima, T., Jiang, W., O'sullivan, G., Nishikino, M., Namba, S., Higashiguchi, T.	Electron temperature and soft x-ray intensity scaling in laser heavy element plasma interaction	AIP Advances	10	6	
17	Kato, H., Nagatomo, H., Nakai, M., Sakaiya, T., Terasaki, H., Kondo, T., Hironaka, Y., Shimizu, K., Shigemori, K.	Surface structure on diamond foils generated by spatially nonuniform laser irradiation	Scientific Reports	10	1	
18	Tanaka, S.J., Yamazaki, R., Kuramitsu, Y., Sakawa, Y.	Toward experimental observations of induced Compton scattering by high-power laser facilities	Progress of Theoretical and Experimental Physics	2020	6	
19	Luong, M.V., Luong, M.V., Sarukura, N., Pham, M.H., Schwerdtfeger, P., Cadatal-Raduban, M., Cadatal-Raduban, M.	Numerical investigation of the electronic and optical properties of LiLuF ₄ vacuum ultraviolet material	Japanese Journal of Applied Physics	59	7	
20	Ochi, K., Yamamoto, K.	Evaluation of speckle of light-diffusion-fiber using laser light source	Japanese Journal of Applied Physics	59	SO	

No.	著者名	タイトル	出版物名	巻	号	頁
21	Solibet, E.J.C.D., Veloz, R.C., Empizo, M.J.F., Husay, H.A.F., Kawano, K., Yamanoi, K., Shimizu, T., Sarukura, N., Estacio, E.S., Salvador, A.A., Somintac, A.S.	Spray Pyrolysis Deposition of Al-Doped ZnO Thin Films for Potential Picosecond Extreme Ultraviolet Scintillator Applications	Physica Status Solidi (B) Basic Research	257	8	
22	Arefiev, A., Stark, D.J., Toncian, T., Murakami, M.	Birefringence in thermally anisotropic relativistic plasmas and its impact on laser-plasma interactions	Physics of Plasmas	27	6	
23	Tonouchi, M.	Simplified formulas for the generation of terahertz waves from semiconductor surfaces excited with a femtosecond laser	Journal of Applied Physics	127	24	
24	SUZUKI, H., BAMBA, A., YAMAZAKI, R., OHIRA, Y.	Study on the escape timescale of high-energy particles from supernova remnants through thermal X-ray properties	Publications of the Astronomical Society of Japan	72	5	1-19
25	Sano, T., Ishigure, K., Cobos-Campos, F.	Suppression of the Richtmyer-Meshkov instability due to a density transition layer at the interface	Physical review. E	102	1	13203
26	Kamijima, S.F., Ohira, Y., Yamazaki, R.	Fast Particle Acceleration at Perpendicular Shocks with Uniform Upstream Magnetic Field and Strong Downstream Turbulence	Astrophysical Journal	897	2	
27	Li, Z., Kawanaka, J.	Velocity and acceleration freely tunable straight-line propagation light bullet	Scientific Reports	10	1	
28	Nishigaki, A., Maruyama, M., Numata, M., Kanzaki, C., Tanaka, S.-I., Yoshikawa, H.Y., Imanishi, M., Yoshimura, M., Mori, Y., Takano, K.	Microflow system promotes acetaminophen crystal nucleation	Engineering in Life Sciences	20	9-10	395-401
29	Kitahara, H., Hangyo, M., Tani, M.	Ultrabroadband and Low-Dispersion Multiple-Joint Transmission-Line for Terahertz Region	Journal of Infrared, Millimeter, and Terahertz Waves	41	10	1218-1226
30	Hernandez, J.-A., Morard, G., Guarguaglini, M., Alonso-Mori, R., Benuzzi-Mounaix, A., Bolis, R., Fiquet, G., Galtier, E., Gleason, A.E., Glenzer, S., Guyot, F., Ko, B., Lee, H.J., Mao, W.L., Nagler, B., Ozaki, N., Schuster, A.K., Shim, S.H., Vinci, T., Ravasio, A.	Direct Observation of Shock-Induced Disorder of Enstatite Below the Melting Temperature	Geophysical Research Letters	47	15	
31	Imanishi, M., Okumura, K., Nakamura, K., Kitamura, T., Kakinouchi, K., Murakami, K., Yoshimura, M., Fujita, Y., Tsusaka, Y., Matsui, J., Mori, Y.	Anomalous dislocation annihilation behavior observed in a GaN crystal grown on point seeds by the Na-flux method	Applied Physics Express	13	8	
32	Morikawa, O., Hangyo, M.	Extending the spectral region of a sub-terahertz spectroscopic system by mixing broad-area and single-mode laser beams	Japanese Journal of Applied Physics	59	8	
33	Matsuo, K., Sano, T., Ishigure, K., Kato, H., Nagamatsu, N., Baojun, Z., Shuwang, G., Nagatomo, H., Philippe, N., Sakawa, Y., Arikawa, Y., Sakata, S., Lee, S., Farley Law, K.F., Morita, H., Liu, C., Li, H., Nishibata, J., Takizawa, R., Azechi, H., Fujioka, S.	Flash X-ray backlight technique using a Fresnel phase zone plate for measuring interfacial instability	High Energy Density Physics	36		
34	Iwamoto, A., Kodama, R.	Conceptual design of a subcritical research reactor for inertial fusion energy with the J-EPoCH facility	High Energy Density Physics	36		
35	Mizutani, R., Abe, Y., Arikawa, Y., Nishibata, J., Yogo, A., Mirfayzi, S.R., Nishimura, H., Mima, K., Fujioka, S., Nakai, M., Shiraga, H., Kodama, R.	The avalanche image intensifier panel for fast neutron radiography by using laser-driven neutron sources	High Energy Density Physics	36		
36	Shokita, S., Yogo, A., Mirfayzi, S.R., Honoki, Y., Golovin, D., Ishimoto, T., Lan, Z., Matsuo, K., Mori, T., Okamoto, K., Nagatomo, H., Nishimura, H., Sentoku, Y., Yamanoi, K., Kodama, R.	Observation of MeV-energy ions from the interaction of over picosecond laser pulses with near-critical density foam targets	High Energy Density Physics	36		
37	Sasaki, T., Takahashi, K., Kikuchi, T., Sunahara, A., Nagatomo, H., Fujioka, S.	A numerical study on the pulse duration dependence of a magnetic field generated using a laser-driven capacitor-coil target	High Energy Density Physics	36		
38	Sekine, T., Kurita, T., Kurata, M., Morita, T., Hatano, Y., Muramatsu, Y., Watari, T., Kabeya, Y., Iguchi, T., Yoshimura, R., Tamaoki, Y., Takeuchi, Y., Mizuta, Y., Kawai, K., Zheng, Y., Kato, Y., Suzuki, T., Kurita, N., Kawashima, T., Tokita, S., Kawanaka, J., Ozaki, N., Hironaka, Y., Shigemori, K., Kodama, R., Kuroda, R., Miura, E.	Development of a 100-J DPSSL as a laser processing platform in the TACMI consortium	High Energy Density Physics	36		
39	Sugimoto, K., Higashi, N., Iwata, N., Sunahara, A., Sano, T., Sentoku, Y.	PIC simulation for dense high Z plasma formation with ultrashort petawatt laser including radiation processes	High Energy Density Physics	36		

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40	Lee, S., Kawahito, D., Iwata, N., Sentoku, Y., Law, K.F.F., Sakata, S., Morita, H., Matsuo, K., Arikawa, Y., Shigemori, K., Sano, T., Nagatomo, H., Mima, K., Azechi, H., Kodama, R., Fujioka, S.	Two-color laser-plasma interactions for efficient production of non-thermal hot electrons	High Energy Density Physics	36		
41	Johzaki, T., Hino, M., Horio, M., Takeda, S., Kim, W., Endo, T., Fujioka, S., Sentoku, Y., Nagatomo, H., Sunahara, A.	Intensification of laser-produced relativistic electron beam using converging magnetic fields for ignition in fast ignition laser fusion	High Energy Density Physics	36		
42	Golovin, D.O., Mirfayzi, S.R., Gu, Y.J., Abe, Y., Honoki, Y., Mori, T., Nagatomo, H., Okamoto, K., Shokita, S., Yamanoi, K., Arikawa, Y., Korn, G., Pikuz, T.A., Fujioka, S., Kodama, R., Bulanov, S.V., Yogo, A.	Enhancement of ion energy and flux by the influence of magnetic reconnection in foam targets	High Energy Density Physics	36		
43	Li, H., Sakata, S., Johzaki, T., Tang, X., Matsuo, K., Lee, S., Farley Law, K.F., Arikawa, Y., Ochiai, Y., Liu, C., Nishibata, J., Takizawa, R., Morita, H., Azechi, H., YasuhikoSentoku, Fujioka, S.	Enhanced relativistic electron beams intensity with self-generated resistive magnetic field	High Energy Density Physics	36		
44	Morita, T., Tomita, K., Sakai, K., Takagi, M., Aihara, K., Edamoto, M., Egashira, S., Higuchi, T., Ishizaka, N., Izumi, T., Kakuchi, S., Kojima, T., Kuramitsu, Y., Matsukiyo, S., Nakagawa, Y., Minami, T., Murakami, H., Nishioka, Y., Ota, M., Sano, T., Sei, S., Sugiyama, K., Tanaka, S.J., Yamazaki, R., Sakawa, Y.	Local plasma parameter measurements in colliding laser-produced plasmas for studying magnetic reconnection	High Energy Density Physics	36		
45	Maeda, Y., Hironaka, Y., Iwasaki, T., Kawasaki, K., Sakawa, Y., Izumi, T., Ota, M., Egashira, S., Nakagawa, Y., Higashi, N., Sentoku, Y., Kodama, R., Ozaki, N., Matsuoka, T., Somekawa, T., Yabuuchi, T., Inubushi, Y., Togashi, T., Kon, A., Sueda, K., Miyanishi, K., Shingubara, S., Shimizu, T., Okumura, A., Shigemori, K.	Observation of ultra-high energy density state with x-ray free electron laser SACLA	High Energy Density Physics	36		
46	Abe, Y., Johzaki, T., Sunahara, A., Arikawa, Y., Ozaki, T., Ishii, K., Hanayama, R., Okihara, S., Miura, E., Komeda, O., Sakata, S., Matsuo, K., Morita, H., Takizawa, R., Mizutani, R., Iwamoto, A., Sakagami, H., Sentoku, Y., Shiraga, H., Nakai, M., Fujioka, S., Mori, Y., Kitagawa,	Monte Carlo particle collision model for qualitative analysis of neutron energy spectra from anisotropic inertial confinement fusion	High Energy Density Physics	36		
47	Matys, M., Nishihara, K., Kecova, M., Psikal, J., Korn, G., Bulanov, S.V.	Laser-driven generation of collimated quasi-monoenergetic proton beam using double-layer target with modulated interface	High Energy Density Physics	36		
48	Li, Z., Kawanaka, J.	Efficient method for determining pulse-front distortion in an ultra-intense laser	Journal of the Optical Society of America B: Optical Physics	37	9	2595-2603
49	Murakami, H., Takarada, T., Tonouchi, M.	Low-temperature GaAs-based plasmonic photoconductive terahertz detector with Au nano-islands	Photonics Research	8	9	1448-1456
50	Shimizu, A., Tsuno, S., Kamiyama, M., Ishibashi, K., Kitamoto, A., Imanishi, M., Yoshimura, M., Hata, M., Isemura, M., Mori, Y.	High-rate OVPE-GaN growth by the suppression of polycrystal formation with additional H ₂ O vapor in a high-temperature condition	Applied Physics Express	13	9	
51	Yamasaki, Y., Azuma, R., Kagebayashi, Y., Fujioka, K., Fujimoto, Y.	Optical properties of Er ³⁺ heavily doped silica glass fabricated by zeolite method	Journal of Non-Crystalline Solids	543		
52	Law, K.F.F., Abe, Y., Morace, A., Arikawa, Y., Sakata, S., Lee, S., Matsuo, K., Morita, H., Ochiai, Y., Liu, C., Yogo, A., Okamoto, K., Golovin, D., Ehret, M., Ozaki, T., Nakai, M., Sentoku, Y., Santos, J.J., D'Humières, E., Korneev, P., Fujioka, S.	Relativistic magnetic reconnection in laser laboratory for testing an emission mechanism of hard-state black hole system	Physical Review E	102	3	
53	Yamahara, K., Mannan, A., Kawayama, I., Nakanishi, H., Tonouchi, M.	Ultrafast spatiotemporal photocarrier dynamics near GaN surfaces studied by terahertz emission spectroscopy	Scientific Reports	10	1	
54	Jiang, H., Gong, C., Nishimura, T., Murakami, H., Kawayama, I., Nakanishi, H., Tonouchi, M.	Terahertz emission spectroscopy and microscopy on ultrawide bandgap semiconductor β-Ga ₂ O ₃	Photonics	7	3	
55	Tanaka, Y., Murai, R., Takahashi, Y., Sugita, T., Toh, D., Yamauchi, K., Aikawa, S., Marui, H., Umeda, Y., Funamoto, Y., Kamimura, T., Empizo, M.J.F., Imanishi, M., Mori, Y., Yoshimura, M.	High surface laser-induced damage threshold of SrB ₄ O ₇ single crystals under 266-nm (DUV) laser irradiation	Optics Express	28	20	29239-29244

No.	著者名	タイトル	出版物名	巻	号	頁
56	Rosete, M.M., Zosa, M.H., Sarmago, R.V.	Improved Fabrication of Electrophoretically Deposited Bi ₂ Sr ₂ CaCu ₂ O ₈ Films via Supporting Electrolyte Optimization in Ethanol	Journal of Superconductivity and Novel Magnetism			
57	Iwami, S., Shimizu, T., Empizo, M.J.F., Gabayno, J.L.F., Sarukura, N., Fujii, S., Sumimura, Y.	Current Status and Enhancement of Collaborative Research in the World: A Case Study of Osaka University	Journal of Data and Information Science	5	4	75-85
58	Murakami, M., Honrubia, J.J., Weichman, K., Arefiev, A.V., Bulanov, S.V.	Generation of megatesla magnetic fields by intense-laser-driven microtube implosions	Scientific Reports	10	1	
59	Ohkoshi, S.-I., Yoshikiyo, M., Imoto, K., Nakagawa, K., Namai, A., Tokoro, H., Yahagi, Y., Takeuchi, K., Jia, F., Miyashita, S., Nakajima, M., Qiu, H., Kato, K., Yamaoka, T., Shirata, M., Naoi, K., Yagishita, K., Doshita, H.	Magnetic-Pole Flip by Millimeter Wave	Advanced Materials	32	48	
60	Shibata, K.	Intrinsic resonant enhancement of light by nonlinear vacuum	European Physical Journal D	74	10	
61	Wang, L., Xiao, R., Yang, S., Qiu, H., Shen, Z., Lv, P., Zhang, C., Hu, W., Nakajima, M., Jin, B., Lu, Y.	3D porous graphene-assisted capsulized cholesteric liquid crystals for terahertz power visualization	Optics Letters	45	20	5892-5895
62	Sakai, K., Isayama, S., Bolouki, N., Habibi, M.S., Liu, Y.L., Hsieh, Y.H., Chu, H.H., Wang, J., Chen, S.H., Morita, T., Tomita, K., Yamazaki, R., Sakawa, Y., Matsukiyo, S., Kuramitsu, Y.	Collective Thomson scattering in non-equilibrium laser produced two-stream plasmas	Physics of Plasmas	27	10	
63	Okada, K., Serita, K., Cassar, Q., Murakami, H., MacGrogan, G., Guillet, J.-P., Mounaix, P., Tonouchi, M.	Terahertz near-field microscopy of ductal carcinoma in situ (DCIS) of the breast	JPhys Photonics	2	4	
64	Yu Gus'kov, S., Kuchugov, P.A., Murakami, M., Yakhin, R.A.	Mass-limited plasmas heated by laser-driven fast electrons as a powerful source of neutron and hard x-ray radiation	Plasma Physics and Controlled Fusion	62	12	
65	YASUHARA, R., UEHARA, H., YAO, W., CHEN, H., TOKITA, S., FURUSE, H., YAO, W., YASUHARA, R.	Dy-doped Y ₂ O ₃ transparent ceramics as a mid-infrared laser medium and saturable absorber	Optical Materials Express	10	11	2998-3006
66	Katagiri, K., Ozaki, N., Umeda, Y., Irifune, T., Kamimura, N., Miyanishi, K., Sano, T., Sekine, T., Kodama, R.	Shock Response of Full Density Nanopolycrystalline Diamond	Physical Review Letters	125	18	
67	Kawasaki, K., Hironaka, Y., Maeda, Y., Iwasaki, T., Tanaka, D., Miyanishi, K., Nagatomo, H., Fujioka, S., Ozaki, N., Kodama, R., Matsuoka, T., Batani, D., Trela, J., Nicolai, P., Shigemori, K.	The role of hot electrons on ultrahigh pressure generation relevant to shock ignition conditions	High Energy Density Physics	37		
68	Zhu, B., Zhang, Z., Jiang, W., Wang, J., Zhu, C., Tan, J., Zhang, Y., He, Y., Li, Y., Ma, J., Li, Y.	Effects of pulse duration on magnetic fields generated with a laser-driven coil	High Energy Density Physics	37		
69	Miura, E., Mori, Y., Ishii, K., Sakata, S., Abe, Y., Arikawa, Y., Nakajima, N., Takizawa, R., Morita, H., Matsuo, K., Mirfayzi, S.R., Sunahara, A., Ozaki, T., Iwamoto, A., Komeda, O., Hanayama, R., Okihara, S., Sentoku, Y., Fujioka, S., Sakagami, H., Johzaki, T., Kitagawa, Y.	Verification of fast heating of core plasmas produced by counter-illumination of implosion lasers	High Energy Density Physics	37		
70	Tokuda, Y., Sakaguchi, K., Watanabe, S., Nakajima, M., Akiyama, K.	Nondestructive mixing characteristics of optical resonance modes investigated using artificial dielectric systems	AIP Advances	10	12	
71	Kojima, S., Ochiai, Y., Inoue, S., Arikawa, Y., Takemura, M., Hashida, M., Fujioka, S., Sakabe, S.	Development of single-shot frequency-resolved optical gating for characterizing the instantaneous intensity and phase of LFEX laser pulses	High Energy Density Physics	37		
72	Iwasaki, T., Kawasaki, K., Yamada, H., Ohmagari, S., Takeuchi, D., Chayahara, A., Mokuno, Y., Hironaka, Y., Shigemori, K.	Dependences of morphology and surface roughness on growth conditions of diamond capsules for the direct-drive inertial confinement fusion	High Energy Density Physics	37		
73	Tanaka, N., Wada, N., Kageyama, Y., Nishimura, H.	Mitigation of debris from a laser plasma EUV source and from focusing optics for thin film deposition by intense EUV radiation	High Energy Density Physics	37		
74	Higashi, N., Iwata, N., Sano, T., Mima, K., Sentoku, Y.	Transition of dominant heating process from relativistic electron beam heating to thermal diffusion in an over picoseconds relativistic laser-solid interaction	High Energy Density Physics	37		
75	Hironaka, Y., Miura, E., Miyanishi, K., Shigemori, K., Matsuoka, T., Ozaki, N., Kurita, T., Kabeya, Y., Watari, T., Mizuta, Y., Kuroda, R., Kodama, R.	Generation of residual stress field in metal by an interference shock wave	High Energy Density Physics	37		
76	John, C., Kishimoto, M., Matsumoto, Y., Morishita, T., Higashiguchi, T., Endo, T., Sunahara, A., Johzaki, T., Namba, S.	Observation of water-window soft x-ray emission from laser-produced Au plasma under optically thin condition	High Energy Density Physics	37		

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77	Morita, H., Arefiev, A., Toncian, T., Santos, J.J., Golovin, D., Shokita, S., Mori, T., Farley Law, K.F., Li, H., Takizawa, R., Matsuo, K., Morace, A., Yogo, A., Fujioka, S.	Application of laser-driven capacitor-coil to target normal sheath acceleration	High Energy Density Physics	37		
78	Dover, N.P., Nishiuchi, M., Sakaki, H., Kondo, K., Lowe, H.F., Alkhimova, M.A., Ditter, E.J., Ettliger, O.C., Faenov, A.Y., Hata, M., Hicks, G.S., Iwata, N., Kiriya, H., Koga, J.K., Miyahara, T., Najmudin, Z., Pikuz, T.A., Pirozhkov, A.S., Sagisaka, A., Schramm, U., Sentoku, Y., Watanabe, Y., Ziegler, T., Zeil, K., Kando, M., Kondo, K.	Demonstration of repetitive energetic proton generation by ultra-intense laser interaction with a tape target	High Energy Density Physics	37		
79	Matsuoka, C., Nishihara, K., Cobos-Campos, F.	Linear and nonlinear interactions between an interface and bulk vortices in Richtmyer-Meshkov instability	Physics of Plasmas	27	11	
80	Weichman, K., Santos, J.J., Fujioka, S., Toncian, T., Arefiev, A.V.	Generation of focusing ion beams by magnetized electron sheath acceleration	Scientific Reports	10	1	
81	Rana, D.S., Tonouchi, M.	Terahertz Emission Functionality of High-Temperature Superconductors and Similar Complex Systems	Advanced Optical Materials	8	3	
82	Weichman, K., LRobinson, A.P., Murakami, M., Arefiev, A.V.	Strong surface magnetic field generation in relativistic short pulse laser-plasma interaction with an applied seed magnetic field	New Journal of Physics	22	11	
83	Li, Z., Kawanaka, J.	Optical wave-packet with nearly-programmable group velocities	Communications Physics	3	1	
84	Yamasaki, Y., Hiraishi, T., Kagebayashi, Y., Fujioka, K., Fujimoto, Y.	Short-length CW laser of Nd ³⁺ heavily doped single-mode silica glass fiber fabricated by zeolite method	Optics Communications	475		
85	Mirfayzi, S.R., Yogo, A., Lan, Z., Ishimoto, T., Iwamoto, A., Nagata, M., Nakai, M., Arikawa, Y., Abe, Y., Golovin, D., Honoki, Y., Mori, T., Okamoto, K., Shokita, S., Neely, D., Fujioka, S., Mima, K., Nishimura, H., Kar, S., Kodama, R.	Proof-of-principle experiment for laser-driven cold neutron source	Scientific Reports	10	1	
86	Sano, T., Tatsumi, Y., Hata, M., Sentoku, Y.	Plasma concept for generating circularly polarized electromagnetic waves with relativistic amplitude	Physical Review E	102	5	
87	Sano, H., Inoue, T., Tokuda, K., Tanaka, T., Yamazaki, R., Inutsuka, S., Aharonian, F., Rowell, G., Filipović, M.D., Yamane, Y., Yoshiike, S., Macted, N., Uchida, H., Hayakawa, T., Tachihara, K., Uchiyama, Y., Fukui, Y.	ALMA CO Observations of the Gamma-Ray Supernova Remnant RX J1713.7-3946: Discovery of Shocked Molecular Cloudlets and Filaments at 0.01 pc Scales	Astrophysical Journal Letters	904	2	
88	Cho, M.S., Matsuo, K., Fujioka, S., Hahn, S.J., Cho, B.I., Chung, H.-K.	Opacity calculation for aluminum, iron, and gold plasmas using FLYCHK code	Journal of Quantitative Spectroscopy and Radiative Transfer	257		
89	Nakamura, D., Tasaki, R., Kawamoto, M., Oshima, H., Higashihata, M., Ikenoue, H., Wakayama, T., Sunahara, A., Higashiguchi, T.	Silicon twisted cone structure produced by optical vortex pulse with structure evaluation by radiation hydrodynamic simulation	Scientific Reports	10	1	
90	Koga, J.K., Murakami, M., Arefiev, A.V., Nakamiya, Y., Bulanov, S.S., Bulanov, S.V.	Electron-positron pair creation in the electric fields generated by micro-bubble implosions	Physics Letters, Section A: General, Atomic and Solid State Physics	384	34	
91	Yao, W., Uehara, H., Tokita, S., Chen, H., Konishi, D., Murakami, M., Yasuhara, R.	LD-pumped 2.8 μ m Er:Lu ₂ O ₃ ceramic laser with 6.7 W output power and >30% slope efficiency	Applied Physics Express	14	1	
92	Cao, C., Serita, K., Kitagishi, K., Murakami, H., Zhang, Z.-H., Tonouchi, M.	Terahertz Spectroscopy Tracks Proteolysis by a Joint Analysis of Absorbance and Debye Model	Biophysical Journal	119	12	2469-2482
93	H. Sawada ^{1,a)} , J. Trzaska ¹ , C. B. Curry ^{2,3} , M. Gauthier ² , L. B. Fletcher ² , S. Jiang ⁴ , H. J. Lee ² , E. C. Galtier ² , E. Cunningham ² , G. Dyer ² , T. S. Daykin ¹ , L. Chen ¹ , C. Salinas ¹ , G. D. Glenn ^{2,5,6} , M. Frost ² , S. H. Glenzer ² , Y. Ping ⁴ , A. J. Kemp ⁴ , and Y. Sentoku ⁷	2D monochromatic x-ray imaging for beam monitoring of an x-ray free electron laser and a high-power femtosecond laser	Review of Scientific Instruments			
94	Gong, C., Teramoto, T., Tonouchi, M.	Observation of the Terahertz Pulse Shaping Due to Intensity-Induced Additional Phase in Two-Color Filaments	Journal of Infrared, Millimeter, and Terahertz Waves			
95	Martynenko, A.S., Pikuz, S.A., Skobelev, I.Yu., Ryazantsev, S.N., Baird, C.D., Booth, N., Döhl, L.N.K., Durey, P., Faenov, A.Ya., Farley, D., Kodama, R., Lancaster, K., McKenna, P., Murphy, C.D., Spindloe, C., Pikuz, T.A., Woolsey, N.	Optimization of a laser plasma-based x-ray source according to WDM absorption spectroscopy requirements	Matter and Radiation at Extremes	6	1	

No.	著者名	タイトル	出版物名	巻	号	頁
96	Rosete, M.M., Zosa, M.H., Sarmago, R.V.	Improved Fabrication of Electrophoretically Deposited Bi2Sr2CaCu2O8 Films via Supporting Electrolyte Optimization in Ethanol	Journal of Superconductivity and Novel Magnetism	34	1	55-61
97	Balmeo, M.M., Dizon, J.S.C., Empizo, M.J.F., Solibet, E.J.C.D., Agulto, V.C., Salvador, A.A., Sarukura, N., Nakanishi, H., Kasai, H., Padama, A.A.B.	Density functional theory-based investigation of hydrogen adsorption on zinc oxide (101 ⁻⁰) surface: Revisited	Surface Science	703		
98	Chikamatsu, A., Katayama, T., Maruyama, T., Kitamura, M., Horiba, K., Kumigashira, H., Wadati, H., Hasegawa, T.	Investigation of the electronic states of A -site layer-ordered double perovskite YBaCo2Ox(x = 5.3 and 6) thin films by x-ray spectroscopy	Applied Physics Letters	118	1	
99	Koester, P., Baffigi, F., Cristoforetti, G., Labate, L., Gizzi, L.A., Baton, S., Koenig, M., Colaitis, A., Batani, D., Casner, A., Raffestin, D., Tentori, A., Trela, J., Rousseaux, C., Boutoux, G., Brygoo, S., Jacquet, L., Reverdin, C., Le Bel, E., Lederoff, L., Theobald, W., Shigemori, K.	Bremsstrahlung cannon design for shock ignition relevant regime	Review of Scientific Instruments	92	1	
100	Wantana, N., Kaewnuam, E., Ruangtaweep, Y., Valiev, D., Stepanov, S., Yamanoi, K., Kim, H.J., Kothan, S., Kaewkhao, J.	Tunable orange, yellow and white emission of Pr ³⁺ -doped tungsten gadolinium borate glasses	Journal of Non-Crystalline Solids	554		
101	Li, Z., Kato, Y., Kawanaka, J.	Simulating an ultra-broadband concept for Exawatt-class lasers	Scientific Reports	11	1	
102	Gu, Y.-J., Bulanov, S.V.	Magnetic field annihilation and charged particle acceleration in ultra-relativistic laser plasmas	High Power Laser Science and Engineering			
103	Gong, C., Kawayama, I., Murakami, H., Teramoto, T., Tonouchi, M.	Intensity-dependent self-induced dual-color laser phase modulation and its effect on terahertz generation	Scientific Reports	11	1	
104	Ota, M., Kan, K., Komada, S., Arikawa, Y., Shimizu, T., Mag-Usara, V.K., Sakawa, Y., Matsui, T., Nakajima, M.	Longitudinal and transverse spatial beam profile measurement of relativistic electron bunch by electro-optic sampling	Applied Physics Express	14	2	
105	Hamamoto, K., Nishio, M., Tokita, S., Uehara, H., Yanagitani, T., Fujioka, K., Yasuhara, R., Kawanaka, J.	Properties of TAG ceramics at room and cryogenic temperatures and performance estimations as a Faraday isolator	Optical Materials Express	11	2	434-441
106	Nakata, Y., Tsubakimoto, K., Miyanaga, N., Narazaki, A., Shoji, T., Tsuboi, Y.	Laser-induced transfer of noble metal nanodots with femtosecond laser-interference processing	Nanomaterials	11	2	1-10
107	Kawahito, D., Bailly-Grandvaux, M., Dozières, M., McGuffey, C., Forestier-Colleoni, P., Peebles, J., Honrubia, J.J., Khir, B., Hansen, S., Tzeferacos, P., Wei, M.S., Krauland, C.M., Gourdain, P., Davies, J.R., Matsuo, K., Fujioka, S., Campbell, E.M., Santos, J.J., Batani, D., Bhutwala, K., Zhang, S., Beg, F.N.	Fast electron transport dynamics and energy deposition in magnetized, imploded cylindrical plasma: Electron transport in magnetized plasmas	Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences	379	2189	
108	Agulto, V.C., Toya, K., Phan, T.N.K., Mag-Usara, V.K., Li, J., Empizo, M.J.F., Iwamoto, T., Goto, K., Murakami, H., Kumagai, Y., Sarukura, N., Yoshimura, M., Nakajima, M.	Anisotropic complex refractive index of β -Ga2O3 bulk and epilayer evaluated by terahertz time-domain spectroscopy	Applied Physics Letters	118	4	
109	Ogino, J., Tokita, S., Kitajima, S., Yoshida, H., Li, Z., Motokoshi, S., Morio, N., Tsubakimoto, K., Fujioka, K., Kodama, R., Kawanaka, J.	10 J operation of a conductive-cooled Yb:YAG active-mirror amplifier and prospects for 100 Hz operation	Optics Letters	46	3	621-624
110	Lai, Y., Yu, H., Ishimoto, T., Cadatal-Raduban, M., Kothan, S., Limkitjaroenporn, P., Shimizu, T., Sarukura, N., Kaewkhao, J., Yamanoi, K.	Investigation of gamma-ray induced optical property changes in non-doped and Ce-doped lithium-rich oxide glass	Radiation Physics and Chemistry	179		
111	Somekawa, T., Izawa, J., Fujita, M., Kawanaka, J., Kuze, H.	Remote detection of oils in water using laser Raman spectroscopy	Optics Communications	480		
112	Kuramoto, K., Fujita, T., Nishida, T., Yagi, T., Takamori, A., Yamamoto, K., Kondow, M.	Speckle contrast evaluation of multi-emitter broad area 638-nm red laser diodes	Optical Review			
113	Shizuma, T., Minato, F., Omer, M., Hayakawa, T., Ohgaki, H., Miyamoto, S.	Low-lying electric and magnetic dipole strengths in Pb 207	Physical Review C	103	2	
114	Honda, Y., Motokoshi, S., Jitsuno, T., Fujioka, K., Yamada, T., Yoshida, M.	Concentration-dependent fluorescence decay and energy transfer in Cr ³⁺ and Nd ³⁺ co-doped Y3Al5O12 ceramic powder	Japanese Journal of Applied Physics	60	3	

No.	著者名	タイトル	出版物名	巻	号	頁
115	Anand, V., Maksimovic, J., Katkus, T., Ng, S.H., Ulčinas, O., Mikutis, M., Baltrukonis, J., Urbas, A., Šlekys, G., Ogura, H., Sagae, D., Pikuz, T., Somekawa, T., Ozaki, N., Vailionis, A., Seniutinas, G., Mizeikis, V., Glazebrook, K., Brodie, J.P., Stoddart, P.R., Rapp, L., Rode, A.V., Gamaly, E.G., Juodkasis, S.	All femtosecond optical pump and x-ray probe: Holey-axicon for free electron lasers	JPhys Photonics	3	2	
116	Yamagami, K., Fujisawa, Y., Driesen, B., Hsu, C.H., Kawaguchi, K., Tanaka, H., Kondo, T., Zhang, Y., Wadati, H., Araki, K., Takeda, T., Takeda, Y., Muro, T., Chuang, F.C., Niimi, Y., Kuroda, K., Kobayashi, M., Okada, Y.	Itinerant ferromagnetism mediated by giant spin polarization of the metallic ligand band in the van der Waals magnet Fe ₅ GeTe ₂	Physical Review B	103	6	
117	Huang, J., Weng, S.M., Zhu, X.L., Li, X.F., Chen, M., Murakami, M., Sheng, Z.M.	Relativistic-induced opacity of electron-positron plasmas	Plasma Physics and Controlled Fusion	63	4	
118	Golovin, D.O., Mirfayzi, S.R., Shokita, S., Abe, Y., Lan, Z., Arikawa, Y., Morace, A., Pikuz, T.A., Yogo, A.	Calibration of imaging plates sensitivity to high energy photons and ions for laser-plasma interaction sources	Journal of Instrumentation	16	2	
119	Morita, H., Pollock, B.B., Goyon, C.S., Williams, G.J., Law, K.F.F., Fujioka, S., Moody, J.D.	Dynamics of laser-generated magnetic fields using long laser pulses	Physical Review E	103	3	
120	Cadatal-Raduban, M., Yoshino, M., Yokota, Y., Yoshikawa, A., Hayazawa, N., Asano, D., Shinohara, K., Shimizu, T., Sarukura, N., Yamanoi, K.	Mid-infrared imaging through up-conversion luminescence in trivalent lanthanide ion-doped self-organizing optical fiber array crystal	Optics Letters	46	5	941-944
121	Yoshino, H., Yamagami, K., Wadati, H., Yamagishi, H., Setoyama, H., Shimoda, S., Mishima, A., Le Ouay, B., Ohtani, R., Ohba, M.	Coordination Geometry Changes in Amorphous Cyanide-Bridged Metal-Organic Frameworks upon Water Adsorption	Inorganic Chemistry	60	5	3338-3344
122	Ergin, T., Saha, L., Bhattacharjee, P., Sano, H., Tanaka, S.J., Majumdar, P., Yamazaki, R., Fukui, Y.	Probing the star formation origin of gamma-rays from 3FHL J1907.0+0713	Monthly Notices of the Royal Astronomical Society	501	3	4226-4237
123	Tsuri, Y., Inaoka, N., Maruyama, M., Tsukamoto, K., Adachi, H., Yoshikawa, H.Y., Takano, K., Imanishi, M., Yoshimura, M., Mori, Y.	Effects of entrapped gas on the surface of a plastic ball induced by ultrasonic irradiation on the enhancement of crystallization of acetaminophen form II	Journal of Crystal Growth	557		
124	Hata, M., Arikawa, Y., Nagatomo, H., Sentoku, Y.	Effects of mixed laser beam irradiation with different wavelengths on fast electron generation	High Energy Density Physics	38		
125	Ogino, J., Zhaoyang, L., Tokita, S., Tsubakimoto, K., Miyanaga, N., Kawanaka, J.	Development two-stage frequency domain optical parametric amplification	High Energy Density Physics	38		
126	Empizo, M.J.F., Minami, Y., Yamanoi, K., Shimizu, T., Yoshimura, M., Sarukura, N., Murata, T., Yamaji, A., Yoshikawa, A., Guzik, M., Guyot, Y., Boulon, G., Cadatal-Raduban, M.	Investigations on the electric-dipole allowed 4f ²⁵ d → 4f ³ broadband emission of Nd ³⁺ -doped 20Al(PO ₃) ₃ -80LiF glass for potential VUV scintillator application	Journal of Alloys and Compounds	856		
127	Goya, K., Mori, A., Tokita, S., Yasuhara, R., Kishi, T., Nishijima, Y., Tanabe, S., Uehara, H.	Broadband mid-infrared amplified spontaneous emission from Er/Dy co-doped fluoride fiber with a simple diode-pumped configuration	Scientific Reports	11	1	
128	Liu, X., Gao, C., Mashimo, T., Ozaki, N., Nellis, W.J., Yang, G., Huang, H., Morioka, S., Miyanishi, K., Sano, T., Kodama, R.	Shock-induced polymorphic transitions of Pb F ₂ up to 1 TPa and their implications for the universal behavior of shocked AX ₂ compounds	Physical Review B	103	9	
129	Cadatal-Raduban, M., Yamanoi, K., Olejník, J., Kohout, M., Kato, S., Horiuchi, Y., Kato, T., Haoze, Y., Sarukura, N., Ono, S.	Titanium dioxide thin films as vacuum ultraviolet photoconductive detectors with enhanced photoconductivity by gamma-ray irradiation	Thin Solid Films	726		
130	Cadatal-Raduban, M., Yamanoi, K., Yoshikawa, A., Yokota, Y., Shimizu, T., Sarukura, N., Togashi, T., Kondo, A., Luong, M.V.	Tunable vacuum ultraviolet cross-luminescence from KMgF under high pressure as potential fast-response scintillator	Journal of Chemical Physics	154	12	
131	Jacobs, K.J.P., Murakami, H., Murakami, F., Serita, K., Beyne, E., Tonouchi, M.	Characterization of through-silicon vias using laser terahertz emission microscopy	Nature Electronics	4	3	202-207
132	Talara, M., Bulgarevich, D.S., Tachioka, C., Mag-Usara, V.K., Muldera, J., Furuya, T., Kitahara, H., Escaño, M.C., Guo, Q., Nakajima, M., Torosyan, G., Beigang, R., Watanabe, M., Tani, M.	Efficient terahertz wave generation of diabolo-shaped Fe/Pt spintronic antennas driven by a 780 nm pump beam	Applied Physics Express	14	4	