

レーザー研究
第38巻第9号(2010年9月)
「アジア域における超高強度レーザー開発の現状」特集号

レーザーコンパス	インテグレーション	秋山 靖裕 (653)
50周年記念解説	リソグラフィ用ArFエキシマレーザーの現状と将来 溝口 計, 川筋 康文, 田中 智史, 對馬 弘朗, 松永 隆, 藤本 准一	(654)

特 集

レーザー解説	「アジア域における超高強度レーザー開発の現状」特集号によせて	加藤 義章 (660)
	アジアの先端レーザー研究施設	植田 憲一 (661)
	高コントラスト・高ビーム品質・高強度レーザーの開発 桐山 博光, 森 道昭, 中井 善基, 下村 拓也, 笹尾 一, 田中 桃子, 越智 義浩, 田上 学, 近藤 修司, 金沢 修平, 大東 出, 岡田 大, 若井 大介, 笹尾 文崇, 鈴木 将之, 小菅 淳, 近藤 公伯, 杉山 僚, セルゲイ・ブラノフ, ポール・ボルトン, 横山 淳, 大道 博行, 河西 俊一, 木村 豊秋, 田島 俊樹	(669)
	High Intensity Laser Physics at the Tata Institute	G. Ravindra KUMAR (676)
	Compact 30 TW Laser System at KAERI Yong-Ho CHA, Yong-Woo LEE, Kyung-Nam KIM, Young Uk JEONG, and Hyung-Ki CHA	(681)
	Route to High Contrast and Focusable Intensity in PW-Class Femtosecond Ti:sapphire Laser Facility Cheng LIU, Zhaohua WANG, Feng LIU, Weichang LI, and Zhiyi WEI	(685)
	Recent Development and Progress on Femtosecond Petawatt Ti:sapphire Laser in SIOM Xiaoyan LIANG, Yuxin LENG, Zhijun REN, Xiaoming LU, Ruxin LI, and Zhizhan XU	(689)
	Design and Construction of the XG-III PW Laser Facility Qihua ZHU, Shouhuan ZHOU, Ying ZHANG, Xiaoming ZENG, Kainan ZHOU, Xiao WANG, Yanlei ZUO, Xudong XIE, Xiaojun HUANG, Xiaodong WANG, Dongbin JIANG, Xin HAO, and Lei ZHAO	(693)
レーザーオリジナル	Monochromatic X-ray Emission from Laser Produced Plasma with A Clean Ultra-Short Laser Pulse Zhe ZHANG, Masaharu NISHIKINO, Hiroaki NISHIMURA, Tetsuya KAWACHI, Akito SAGISAKA, Satoshi ORIMO, Koichi OGURA, Alexander PIROZHKO, Akifumi YOGO, Yasuaki OKANO, Shinsuke OHSHIMA, Shinsuke FUJIOKA, Hiromitsu KIRIYAMA, Kiminori KONDO, and J-KAREN laser operation group	(698)
	Proton Generation and Terahertz Radiation from A Thin-Foil Target with A High- Intensity Laser Akito SAGISAKA, Alexander S. PIROZHKO, Michiaki MORI, Akifumi YOGO, Koichi OGURA, Satoshi ORIMO, Mamiko NISHIUCHI, Jinglong MA, Hiromitsu KIRIYAMA, Shuhei KANAZAWA, Shuji KONDO, Yoshiki NAKAI, Takuya SHIMOMURA, Manabu TANOUE, Atsushi AKUTSU, Hajime OKADA, Tomohiro MOTOMURA, Hiroyuki DAIDO, Kiminori KONDO, Sergei V. BULANOV, Timur Zh. ESIRKEPOV, Shigeki NASHIMA, Makoto HOSODA, Hideo NAGATOMO, Yuji OISHI, Koshichi NEMOTO, Il Woo CHOI, Seong Ku LEE, and Jongmin LEE	(702)
	光パラメトリックチャープパルス増幅器における高効率増幅 小菅 淳, 桐山 博光, 下村 拓也, 田上 学, 金沢 修平, 越智 義浩, 森 道昭, 田中 桃子, 岡田 大, 笹尾 一, 杉山 僚, 横山 淳, 河西 俊一	(706)
レーザーフラッシュ	レーザー学会産業賞を受賞して -レーザー・ウォーター複合加工システムLAMICS-	佐々木 基, 小関 良治 (711)
著者紹介		(715)
セルフフォーカス		(720)
レーザーワード		(668, 675)

Volume 38, Number 9 (September 2010)
The Review of Laser Engineering
Special Issue on Current Status of High Intensity Lasers in Asia

<i>Laser Compass</i>	Integration	Yasuhiro AKIYAMA (653)
<i>Special Review on the Laser's 50th Anniversary</i>	Development of ArF Excimer Laser for Lithography <i>Hakaru MIZOGUCHI, Yasufumi KAWASUJI, Satoshi TANAKA, Hiroaki TSUSHIMA, Takashi MATSUNAGA, and Junichi FUJIMOTO</i>	(654)

Special Issue

<i>Laser Review</i>	Preface to Special Issue on Current Status of High Intensity Lasers in Asia <i>Yoshiaki KATO</i>	(660)
	High Power Laser Facilities in Asia <i>Ken-ichi UEDA</i>	(661)
	Development of A High-Contrast, High Beam-Quality, High-Intensity Laser <i>Hiromitsu KIRIYAMA, Michiaki MORI, Yoshiki NAKAI, Takuya SHIMOMURA, Hajime SASAO, Momoko TANAKA, Yoshihiro OCHI, Manabu TANOUE, Shuji KONDO, Shuhei KANAZAWA, Izuru DAITO, Hajime OKADA, Daisuke WAKAI, Fumitaka SASAO, Masayuki SUZUKI, Atsushi KOSUGE, Kiminori KONDO, Akira SUGIYAMA, Sergei BULANOV, Paul R. BOLTON, Atsushi YOKOYAMA Hiroyuki DAIDO, Shunichi KAWANISHI, Toyoaki KIMURA, and Toshiki TAJIMA</i>	(669)
	High Intensity Laser Physics at the Tata Institute <i>G. Ravindra KUMAR</i>	(676)
	Compact 30 TW Laser System at KAERI <i>Yong-Ho CHA, Yong-Woo LEE, Kyung-Nam KIM, Young Uk JEONG, and Hyung-Ki CHA</i>	(681)
	Route to High Contrast and Focusable Intensity in PW-Class Femtosecond Ti:sapphire Laser Facility <i>Cheng LIU, Zhaohua WANG, Feng LIU, Weichang LI, and Zhiyi WEI</i>	(685)
	Recent Development and Progress on Femtosecond Petawatt Ti:sapphire Laser in SIOM <i>Xiaoyan LIANG, Yuxin LENG, Zhijun REN, Xiaoming LU, Ruxin LI, and Zhizhan XU</i>	(689)
	Design and Construction of the XG-III PW Laser Facility <i>Qihua ZHU, Shouhuan ZHOU, Ying ZHANG, Xiaoming ZENG, Kainan ZHOU, Xiao WANG, Yanlei ZUO, Xudong XIE, Xiaojun HUANG, Xiaodong WANG, Dongbin JIANG, Xin HAO, and Lei ZHAO</i>	(693)
<i>Laser Original</i>	Monochromatic X-ray Emission from Laser Produced Plasma with A Clean Ultra-Short Laser Pulse <i>Zhe ZHANG, Masaharu NISHIKINO, Hiroaki NISHIMURA, Tetsuya KAWACHI, Akito SAGISAKA, Satoshi ORIMO, Koichi OGURA, Alexander PIROZHKO, Akifumi YOGO, Yasuaki OKANO, Shinsuke OHSHIMA, Shinsuke FUJIOKA, Hiromitsu KIRIYAMA, Kiminori KONDO, and J-KAREN laser operation group</i>	(698)
	Proton Generation and Terahertz Radiation From A Thin-Foil Target with A High-Intensity Laser <i>Akito SAGISAKA, Alexander S. PIROZHKO, Michiaki MORI, Akifumi YOGO, Koichi OGURA, Satoshi ORIMO, Mamiko NISHIUCHI, Jinglong MA, Hiromitsu KIRIYAMA, Shuhei KANAZAWA, Shuji KONDO, Yoshiki NAKAI, Takuya SHIMOMURA, Manabu TANOUE, Atsushi AKUTSU, Hajime OKADA, Tomohiro MOTOMURA, Hiroyuki DAIDO, Kiminori KONDO, Sergei V. BULANOV, Timur Zh. ESIRKEPOV, Shigeki NASHIMA, Makoto HOSODA, Hideo NAGATOMO, Yuji OISHI, Koshichi NEMOTO, Il Woo CHOI, Seong Ku LEE, and Jongmin LEE</i>	(702)
	Demonstration of A High-Efficiency, Broadband Optical Parametric Chirped-Pulse Amplification as A Front-End For A High Intensity Laser <i>Atsushi KOSUGE, Hiromitsu KIRIYAMA, Takuya SHIMOMURA, Manabu TANOUE, Shuhei KANAZAWA, Yoshihiro OCHI, Michiaki MORI, Momoko TANAKA, Hajime OKADA, Hajime SASAO, Akira SUGIYAMA, Atsushi YOKOYAMA, and Shunichi KAWANASHI</i>	(706)

<i>Laser Flash</i>	Acknowledgement of Laser Industry Award 2010 - Development of Laser Aided Aqua-Jet Accurate Micro Cutting System: LAMICS - <i>Motoi SASAKI and Ryoji KOSEKI</i>	(711)
<i>Authors' Biographies</i>		(715)
<i>Self Focus</i>		(720)
<i>Laser Word</i>		(668, 675)