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Title:	Optical trapping dynamics probed by real-time back-scatter imaging
Authors:	Devi, A. (/jspui/browse?type=author&value=Devi%2C+A.) De, A.K. (/jspui/browse?type=author&value=De%2C+A.K.)
Keywords:	Illusive nature Trapping Dynamics Optical
Issue Date:	2019
Publisher:	SPIE
Citation:	Progress in Biomedical Optics and Imaging - Proceedings of SPIE, 11075.
Abstract:	The illusive nature of optical trapping dynamics under high repetition-rate femtosecond pulsed excitation has recently been theoretically explained based on nonlinear nature of force and potential arising from the optical Kerr effect. Here we present experimental results of trapping of 1 $\mu$ m polystyrene beads probed by analyzing back-scattered signal from realtime video microscopy which is helpful in studying the time control dynamics of micron-sized objects suitable for biological applications.
URI:	<a href="https://spie.org/Publications/Proceedings/Paper/10.1117/12.2526378?SSO=1">https://spie.org/Publications/Proceedings/Paper/10.1117/12.2526378?SSO=1</a> ( <a href="https://spie.org/Publications/Proceedings/Paper/10.1117/12.2526378?SSO=1">https://spie.org/Publications/Proceedings/Paper/10.1117/12.2526378?SSO=1</a> ) <a href="http://hdl.handle.net/123456789/2283">http://hdl.handle.net/123456789/2283</a> ( <a href="http://hdl.handle.net/123456789/2283">http://hdl.handle.net/123456789/2283</a> )
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