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ONLINE ISSN : 1882-4935

PRINT ISSN : 0914-3319

Journal of Printing Science and Technology

Vol. 41 (2004) , No. 5 pp.261-278

[\[Image PDF \(4980K\)\]](#) [\[References\]](#)**Microcontact Printing**Masamichi FUJIHIRA¹⁾

1) Department of Biomolecular Engineering, Tokyo Institute of Technology

Abstract

This is the review paper on microcontact printing (μ CP), the first paper of which was published in 1993 by Kumar and Whitesides (*Appl. Phys. Lett.*, **63**, 2002-2004 (1993)). Since 1993, there have been about 500 papers citing this paper, and the number of which per year is still increasing. This reflects enormous potential and wide application of this new technology. In this review, followings are described i) back ground of the birth of μ CP including development of self-assembled monolayers (SAMs), ii) initial studies of patterning SAMs, iii) patterning SAMs by μ CP, iv) application of patterned SAMs, v) soft lithography other than μ CP, vi) patterning with liquids and its application to nanostructuring, and vii) the outlook for μ CP.

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Masamichi FUJIHIRA, Journal of Printing Science and Technology, **41**, 261 (2004) .

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