

## 6.研究成果リスト

### 原著論文

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Takahiro Kozawa  
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2. Shot noise limit of chemically amplified resists with photodecomposable quenchers used for extreme ultraviolet lithography  
Takahiro Kozawa, Julius Joseph Santillan, and Toshiro Itani  
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3. Sensitivity enhancement of chemically amplified EUV resists by adding acid-generation promoters  
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Jpn. J. Appl. Phys. 56, 086502 (2017)
5. Theoretical study on relationship between exposure pattern width and chemical gradient of 16 nm half-pitch line-and-space patterns in electron beam lithography used for photomask and nanoimprint mold production  
Takahiro Kozawa and Shusuke Yoshitake  
Jpn. J. Appl. Phys. 56, 076501 (2017)
6. Theoretical study on sensitivity enhancement in energy-deficit region of chemically amplified resists used for extreme ultraviolet lithography  
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9. Ecofriendly ethanol-developable processes for electron beam lithography using positive-tone dextrin resist material  
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11. Synthesis and Property of Tellurium-Containing Polymer for Extreme Ultraviolet Resist Material  
Mari Fukunaga, Hiroki Yamamoto, Takahiro Kozawa, Takeo Watanabe, Hiroto Kudo  
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12. Dynamics of Radical Ions of Hydroxyhexafluoroisopropyl-Substituted Benzenes.  
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Hiroki Yamamoto, Hiroto Kudo, Takahiro Kozawa  
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14. Formation of Au nanoparticle arrays on hydrogel 2-D patterns based on poly(vinylpyrrolidone)  
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25. 放射線誘起反応によるDNA損傷  
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27. Laser-induced fine structures on silicon exposed to THz-FEL  
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Z. Lou, S. Kim, P. Zhang, X. Shi, M. Fujitsuka, and T. Majima  
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O. Elbanna, S. Kim, M. Fujitsuka, and T. Majima  
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## B. Reviews

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