

研究成果目錄 (更新日期: 2015 年 12 月 31 日)

(A) 期刊論文

1. Sheng-Huei Hsiao,* Ying-Hsiu Hsiao, Yu-Ruei Kung, **Highly redox-stable and electrochromic aramids with morpholinyl-substituted triphenylamine units**, *J. Polym. Sci., Part A: Polym. Chem.*, in press (2016/03).
 2. Sheng-Huei Hsiao,* Jhe-Yong Lin, **Electrosynthesis of ambipolar electrochromic polymer films from anthraquinone-triarylamine hybrids**, *J. Polym. Sci., Part A: Polym. Chem.*, in press (2016/02).
 3. Sheng-Huei Hsiao,* Shu-Wei Lin, **Electrochemical synthesis of electrochromic polycarbazole films from *N*-phenyl-3,6-bis(*N*-carbazolyl)carbazoles**, *Polym. Chem.*, **7**(1), 198-211 (2016/01).
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4. Sheng-Huei Hsiao,* Ju-Chun Hsueh, **Electrochemical synthesis of new conjugated polycarbazoles from di(carbazol-9-yl)-substituted triphenylamine and *N*-phenylcarbazole derivatives**, *J. Electroana. Chem.*, **758**, 100-110 (2015/12).
 5. Sheng-Huei Hsiao,* Siao-Chi Peng, Yu-Ruei Kung, Chyi-Ming Leu, Tzong-Ming Lee, **Synthesis and electro-optical properties of aromatic polyamides and polyimides bearing pendant 3,6-dimethoxycarbazole units**, *Eur. Polym. J.*, **73**, 50-64 (2015/12).
 6. Sheng-Huei Hsiao,* Chia-Yin Teng, Yu-Ruei Kung, **Synthesis and characterization of novel electrochromic poly(amide-imide)s with *N,N*-di(4-methoxyphenyl)-*N,N*-diphenyl-*p*-phenylenediamine units**, *RSC Adv.*, **5**(113), 93591-93606 (2015/11).
 7. Sheng-Huei Hsiao,* Yu-Ting Chiu, **Electrosynthesis and electrochromic properties of poly(amide-triarylamine)s containing triptycene units**, *RSC Adv.*, **5**(110), 90941-90951 (2015/10).
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 9. Sheng-Huei Hsiao,* Nien-En Liu, **Synthesis of blue light emitting and electrochromic polyimidothioethers with diphenylpyrenylamine chromophore via thiol-ene reaction**, *J. Polym. Res.*, **22**(6): 107 (10 pages) (2015/06).
 10. Sheng-Huei Hsiao,* Shou-Lun Cheng, **Ambipolar and multi-electrochromic polyimides based on *N,N*-di(4-aminophenyl)-*N',N'*-diphenyl-4,4'-oxydianiline**, *Polym. Int.*, **64**(6), 811-820 (2015/06).
 11. Sheng-Huei Hsiao,* Shou-Lun Cheng, **New electroactive and electrochromic aromatic polyamides with ether-linked bis(triphenylamine) units**, *J. Polym. Sci., Part A: Polym. Chem.*, **53**(3), 496-510 (2015/02).
 12. Sheng-Huei Hsiao,* Nien-En Liu, Yu-Ruei Kung, **Synthesis of electroactive and electrochromic poly(amide-imide)s containing diphenylpyrenylamine moieties**, *J. Polym. Res.*, **22**(2): 9 (14 pages) (2015/02).
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13. Sheng-Huei Hsiao,* Jun-Wen Lin, **Facile preparation of electrochromic poly(amine-imide) films from diimide compounds with terminal triphenylamino groups via electrochemical oxidative coupling reactions**, *Polym. Chem.*, **5**(23), 6770-6778 (2014/12).
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 15. Sheng-Huei Hsiao,* Yu-Tan Chou, **Synthesis and electrochromic properties of aromatic polyimides bearing pendent triphenylamine units**, *Polymer*, **55**(10), 2411-2421 (2014/05).

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17. Hui-Ming Wang, [Sheng-Huei Hsiao](#),* **Substituent effects on electrochemical and electrochromic properties of aromatic polyimides with 4-(carbazol-9-yl)triphenylamine moieties**, *J. Polym. Sci., Part A: Polym. Chem.*, **52**(8), 1172-1184 (2014/04).
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19. [Sheng-Huei Hsiao](#),* Su-Jung Yeh, Hui-Min Wang, Wenjeng Guo, Yu-Ruei Kung, **Synthesis and optoelectronic properties of polyimides with naphthyldiphenylamine chromophores**, *J. Polym. Res.*, **21**(4):407 (12 pages) (2014/04).
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(B) 研討會論文

[國際會議](#)

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3. [Hui-Min Wang](#), [Sheng-Huei Hsiao](#), * "P2.028: **Facile preparation of multielectrochromic polymeric films via oxidative electro-coupling of arylamino groups**", 22th International Conference for Science and Technology of Synthetic Metals (ICSM 2014), 30 June – 5 July, 2014, Turku, Finland.
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