

■ 論文24報。筆頭：9報 共著：15報。

1. "Amorphous molecular materials: charge transport in the glassy state of N,N'-di(biphenyl)-N,N'-diphenyl-[1,1'-biphenyl]-4,4'-diamines" K. Okumoto, K. Wayaku, T. Noda, H. Kageyama, and Y. Shirota, *Synth. Met.*, 111-112, pp. 473-476, 2000.
2. "Thermally stable organic light-emitting diodes using new families of hole-transporting amorphous molecular materials" Y. Shirota, K. Okumoto, and H. Inada, *Synth. Met.*, 111-112, pp. 387-391, 2000.
3. "Exciplex formation at the organic solid/solid interface and tuning of the emission color in organic light-emitting diodes" K. Okumoto, Y. Shirota, *J. Lumin.*, 87-89, pp. 1171-1173, 2000.
4. "New hole-transporting amorphous molecular materials with high glass-transition temperature for organic light-emitting diodes" K. Okumoto and Y. Shirota, *Chem. Lett.*, 2000, pp. 1034-1035.
5. "A thermally stable greenish blue-emitting organic light emitting diode using a new emitting amorphous molecular material" K. Okumoto, T. Ohara, T. Noda, and Y. Shirota, *Synth. Met.*, 121, pp. 1655-1656, 2001.
6. "Development of New Hole-transporting Amorphous Molecular Materials for Organic Electroluminescent Devices and Their Charge-Transport Properties" K. Okumoto and Y. Shirota, *Mater. Sci. Eng. B*, 85, pp.135-139, 2001.
7. "Development of New Hole-Transporting Amorphous Molecular Materials for Organic Electroluminescent Devices and Their Charge-Transport Properties" Y. Shirota and K. Okumoto, *SPIE-Int. Soc. Opt. Eng.*, 4105, pp.158-166, 2001.
8. "A novel class of emitting amorphous molecular materials as bipolar radical formants: 2-[4-[bis(4-methylphenyl)amino]phenyl]-5-(dimesitylboryl)thiophene and 2-[4-[bis(9,9-dimethylfluorenyl)amino]phenyl]-5-(dimesitylboryl)thiophene" Y. Shirota, M. Kinoshita, T. Noda, K. Okumoto, and Y. Ohara, *J. Am. Chem. Soc.*, 122, pp. 11021-11022, 2000.
9. "Development of high-performance blue-violet-emitting organic electroluminescent devices" K. Okumoto and Y. Shirota, *Appl. Phys. Lett.*, 79, pp.1231-1234, 2001.
10. "Development of hole-blocking amorphous molecular materials and their application in organic light-emitting diodes" Y. Shirota, M. Kinoshita, and K. Okumoto, *SPIE-Int. Soc. Opt. Eng.*, 4464, pp. 203-210, 2002.
11. "The effect of annealing of organic thin films on charge injection in organic electroluminescent devices" *J. Photopolym. Sci, Technol.*, 15, pp.769-774, 2002.
12. "New class of hole-blocking amorphous molecular materials and their application in blue-violet-emitting fluorescent and green-emitting phosphorescent organic electroluminescent devices" *Chem. Mater.*, 15, pp. 699-707, 2003.
13. "Pronounced effect of the methods of preparation of organic thin film on hole injection from the indium-tin-oxide electrode-vacuum deposition vs spin coating", *Chem. Lett.*, 32, pp.162-163, 2003.
14. "A Novel Class of Emitting Amorphous Molecular Materials with Bipolar Character for Electroluminescence" *Chem. Mater.*, 15, pp.1080-1089, 2003.
15. "Development of a new class of hole-transporting and emitting vinyl polymers and their application in organic electroluminescent devices" *Org. Electron.*, 4, pp.49-59, 2003.
16. "Development of a novel emitting vinyl polymer and its application in organic electroluminescent devices" *J. Soc. Information Display*, 13, pp.399-404, 2005.
17. "High efficiency red organic light-emitting devices using tetraphenyldibenzoperiflanthene-doped rubrene as an emitting layer" K. Okumoto, H. Kanno, Y. Hamada, H. Takahashi, and K. Shibata, *Appl. Phys. Lett.*, 89, 013502, 2006.
18. "Combinatorial study of exciplex formation at the interface between two wide band gap organic semiconductors" G. Li, C. H. Kim, Z. Zhou, and J. Shinar, K. Okumoto and Y. Shirota, *Appl. Phys. Lett.*, 88, 253505, 2006.
19. "Green fluorescent organic light-emitting device with external quantum efficiency of nearly 10%" K. Okumoto, H. Kanno, Y. Hamada, H. Takahashi, and K. Shibata, *Appl. Phys. Lett.*, 89, pp. 063504, 2006.
20. "Organic light-emitting devices using polyacene derivatives as a hole-transporting layer" K. Okumoto, H. Kanno, Y. Hamada, H. Takahashi, and K. Shibata, *J. Appl. Phys.*, 100, pp. 044507, 2006.
21. "High Efficiency Stacked Organic Light-Emitting Diodes Employing Li2O as a Connecting Layer" H. Kanno, Y. Hamada, K. Nishimura, K. Okumoto, N. Saito, H. Ishida, H. Takahashi, K. Shibata, K. Mameno, *Jpn. J. Appl. Phys.* 45_2006_9219.
22. "Fine Wettability Control Created by a Photochemical Combination Method for Inkjet Printing on Self-Assembled Monolayers" Y. Tsuchiya, S. Haraguchi, M. Ogawa, T. Shiraki, H. Kamimoto, O. Gotou, T. Yamada, K. Okumoto, S. Nakatani, K. Sakanoue, S. Shinkai, *Adv. Mater.*, 24, pp. 968, 2012.
23. "Organic light-emitting devices using polyacene derivatives as a hole-transporting layer" K. Okumoto, H. Kanno, Y. Hamada, H. Takahashi, and K. Shibata, *J. Appl. Phys.*, 100, pp. 044507, 2006.
24. "Full Color Flexible Top-emission AMOLED Display on Polyethylene Naphthalate (PEN) Foil with Metal Oxide TFTs Backplane" *SID2013 Digest*, pp. 203, 2013.