

Special Issue—Recycling Materials from WEEE
(Responsible Editors: Jinhui Li & Eric David Williams)

PREFACE

- 14 Recycling Materials from Waste Electrical and
Electronic Equipment
*Selected papers from the 13th International Conference on
Waste Management and Technology in Beijing, China*
Jinhui Li

FEATURE ARTICLE

- 1 Recovery of rare and precious metals from urban
mines—A review
**Mengmeng Wang, Quanyin Tan, Joseph F.
Chiang, Jinhui Li**

REVIEW

- 3 An updated review and conceptual model for optimizing
WEEE management in China from a life cycle perspective
Xiaolong Song, Jingwei Wang, Jianxin Yang, Bin Lu
- 8 A critical review on the recycling of copper and
precious metals from waste printed circuit boards
using hydrometallurgy
**Zebing Wu, Wenyi Yuan, Jinhui Li, Xiaoyan Wang,
Lili Liu, Jingwei Wang**

RESEARCH ARTICLE

- 2 Silicon carbide waste as a source of mixture materials for cement mortar

Zhengwu Jiang, Qiang Ren, Haoxin Li, Qing Chen

- 4 Recycling polymeric waste from electronic and automotive sectors into value added products

Abhishek Kumar, Veena Choudhary, Rita Khanna,

Romina Cayumil, Muhammad Ikram-ul-Haq, Veena Sahajwalla,

Shiva Kumar L Angadi, Ganapathy E. Paruthy,

Partha S. Mukherjee, Miles Park

- 5 Performance evaluation of waste electrical and electronic equipment disassembly layout configurations using simulation

Ozan Capraz, Olcay Polat, Askiner Gungor

- 6 Preparing graphene from anode graphite of spent lithium-ion batteries

Wenxuan Zhang, Zhanpeng Liu, Jing Xia, Feng Li,

Wenzhi He, Guangming Li, Juwen Huang

- 7 Comparison on End-of-Life strategies of WEEE in China based on LCA

Bin Lu, Xiaolong Song, Jianxin Yang, Dong Yang

- 9** Thermal degradation characteristics and products obtained after pyrolysis of specific polymers found in Waste Electrical and Electronic Equipment
Evangelia C. Vouvoudi, Aristeia T. Rousi, Dimitris S. Achilias
- 10** Copper recovery from waste printed circuit boards concentrated metal scraps by electrolysis
Xiaonan Liu, Qiuxia Tan, Yungui Li, Zhonghui Xu, Mengjun Chen
- 11** Pyrolysis of WEEE plastics using catalysts produced from fly ash of coal gasification
Marika Benedetti, Lorenzo Cafiero, Doina De Angelis, Alessandro Dell'Era, Mauro Pasquali, Stefano Stendardo, Riccardo Tuffi, Stefano Vecchio Cipriotti
- 12** Managing economic and social profit of cooperative models in three-echelon reverse supply chain for waste electrical and electronic equipment
Jian Li, Zhen Wang, Bao Jiang
- 13** Improvement potential of today's WEEE recycling performance: The case of LCD TVs in Belgium
Paul Vanegas, Jef R. Peeters, Dirk Cattrysse, Wim Dewulf, Joost R. Duflou