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81年由国家公派去日本留学。85年3月毕业于日本信州大学， 87和90年3月先后在东京工业大学获硕士和博士学位。90年4月起在日本昭和电工公司做研究员。92年回国工作。99年在清华大学化工系晋升为教授。1999、2001和2005年分别在日本东京工业大学、美国明尼苏达大学、日本中央大学做访问教授。现任中国复合材料学会理事、纳米复合材料分会委员；中国机械工程学会材料分会副理事长、高分子材料专业委员会主任；中国化学会高分子学科委员会委员；中国材料研究学会高分子材料科学与工程分会常务委员，以及《机械工程材料》杂志编委会副主任，《Chinese Chemical Letters》、《Chinese Journal of Polymer Science》、《功能高分子学报》、《高分子材料科学与工程》和《中国塑料》杂志编委。曾任《高分子学报》、《Ineternational Journal of Polymer Science》等编委。国家自然科学基金委员会第十四届专家评审组专家。近来主要研究领域是聚合物凝胶及可穿戴柔性器件、聚合物纳米结构和材料及其在储能领域的应用、聚合物多组分体系和反应共混以及聚合物表界面。在国内外期刊上发表论文220 多篇，其中被 SCI 收录约200篇。获日本学术振兴会(JSPS)访问学者基金，美国明尼苏达大学化工与材料系杰出访问教授以及ELSEVIER出版机构颁发的“Polymer”杂志第一届“Feng Xingde Polymer Prize”等。

近年代表性论著：

1. Zhou Z W, Liu Y T, Xie X M, et al. “Elaborate synthesis of black tin oxide-black titanium oxide core-shell nanotubes for ultrastable and fast lithium storage”. **Chemical Communications**, 2018. DOI: 10.1039/C8CC02040J.
2. Pan L, Zhou Z W, Xie X M, et al. “A universal strategy for the in situ synthesis of TiO2(B) nanosheets on pristine carbon nanomaterials for high-rate lithium storage”. **Journal of Materials Chemistry A**, 2018. DOI: 10.1039/c8ta01499j.
3. Yan Huang, Ming Zhong, Fukuan Shi, Xiaoying Liu, Zijie Tang, Yukun Wang, Yang Huang, Haoqing Hou, Xuming Xie, and Chunyi Zhi “An Intrinsically Stretchable and Compressible Supercapacitor Containing a Polyacrylamide Hydrogel Electrolyte” Angew. **Chem. Int. Ed**. 56(31), 9141-9145(2017)
4. Huan-Ming Li, Xian-Wei Sui, Xu-Ming Xie; “High-strength and super-tough PA6/PS/PP/SEBS quaternary blends compatibilized by using a highly effective multi-phase compatibilizer: Toward efficient recycling of waste plastics” **Polymer**, 123，240-246(2017)
5. Huan-Ming Li, Xu-Ming Xie; “Morphology development and superior mechanical properties of PP/PA6/SEBS ternary blends compatibilized by using a highly efficient multi-phase compatibilizer” **Polymer**, 108，1-10(2017)
6. Xiao-ying Liu, Ming Zhong, Fu-kuan Shi, Hao Xu and ing Xie “Multi-bond network hydrogels with robust mechanical and self-healable properties” **Chinese J of Polym Sci**., 35(10), 1253-1267（2017）
7. Long Pan, Yi-Tao Liu, Xu-Ming Xie, and Xiong-Ying Ye “Facile and Green Production of Impurity-Free Aqueous Solutions of WS2 Nanosheets by Direct Exfoliation in Water” **Small**，48(12) ,6703–6713(2016)
8. F. K. Shi, M. Zhong, L-Q Zhang, X-Y Liu, X. M. Xie. “Robust and self-healable nanocomposite physical hydrogel facilitated by the synergy of ternary crosslinking points in a single network”, **J. Mater. Chem. B**, 4, 6221(2016)
9. Long Pan, Yi-Tao Liu, Xu-ming Xie, Xiong-ying Ye , Xiao-dong Zhu “Multi-dimensionally ordered, multi-functionally integrated r-GO@TiO2(B) @Mn3O4 yolk–membrane–shell superstructures for ultrafast lithium storage”, **Nano Research,** 9(7): 2057–2069(2016)
10. Zheng-Wei Zhou, Yi-Tao Liu, Xu-Ming Xie, Xiong-Ying Ye “Aluminothermic reduction enabled synthesis

of silicon hollow microspheres from commercialized silica nanoparticles for superior lithium storage", **Chemical Communications**, 52, 8401(2016)

11. Zheng-Wei Zhou, Yi-Tao Liu, Xu-Ming Xie, Xiong-Ying Ye. "Constructing Novel Si@SnO2 Core–Shell Heterostructures by Facile Self-Assembly of SnO2 Nanowires on Silicon Hollow Nanospheres for Large, Reversible Lithium Storage", **ACS Applied Materials & Interfaces**, 8, 7092−7100(2016)
12. Long Pan, Xiao-Dong Zhu, Ke-Ning Sun, Yi-Tao Liu, Xu-Ming Xie, Xiong-Ying Ye "Molecular level distribution of black phosphorus quantum dots on nitrogendoped graphene nanosheets for superior lithium storage" **Nano Energy**, 30, 347-354(2016)
13. M. Zhong, Y-T Liu, X-Y Liu, F-K Shi, L-Q Zhang, M-F Zhu and X-M Xie. "Dually cross-linked single network poly(acrylic acid) hydrogels with superior mechanical properties and water absorbency" **Soft Matter**, 12, 5420(2016).
14. Yan Huang, Ming Zhong, Yang Huang, Minshen Zhu, Zengxia Pei, Zifeng Wang, Qi, Xue, Xuming Xie and Chunyi Zhi "An electrochemically completely self-healable or 600% highly stretchable supercapacitor based on a dual cross-linked polyelectrolyte" **Nature Communication,** 6, 10310(2015)
15. Hao Xu , Xiao-Dong Zhu , Ke-Ning Sun , Yi-Tao Liu and Xu-Ming Xie "Elaborately Designed Hierarchical Heterostructures Consisting of Carbon-Coated TiO 2 (B) Nanosheets Decorated with Fe 3 O 4 Nanoparticles for Remarkable Synergy in High-Rate Lithium Storage" **Adv. Mater. Interfaces**, 2, 15, 1500239(2015)
16. L. Pan, X.-D. Zhu, X.-M. Xie, Y.-T. Liu. "Smart hybridization of TiO2 nanorods and Fe3O4 nanoparticles with pristine graphene nanosheets: hierarchically nanoengineered ternary heterostructures for high-rate lithium storage" **Adv. Funct. Mater**. 25, 22, 3341-3350(2015)
17. L. Pan, X.-D. Zhu*, X.-M. Xie, Y.-T. Liu. "Delicate ternary heterostructures achieved by hierarchical co-assembly of Ag and Fe3O4 nanoparticles on MoS2 nanosheets: morphological and compositional synergy in reversible lithium storage" **J. Mater. Chem.** A, 3, 2726(2015)
18. Ming Zhong, Yi-Tao Liu and Xu-Ming Xie, "Self-healable, super tough graphene oxide–poly(acrylic acid) nanocomposite hydrogels facilitated by dual cross-linking effects through dynamic ionic interactions" **J. Mater. Chem. B**, 3, 4001-4008(2015)，
19. Ming Zhong, Xiao-Ying Liu, Fu-Kuan Shi, Li-Qin Zhang, Xi-Ping Wang, Andrew G. Cheetham, Honggang Cui and Xu-Ming Xie, "Self-healable, tough and highly stretchable ionic nanocomposite physical hydrogels" **Soft Matter**, 11, 4235 – 4241(2015)
20. Long Pan，, Ke-Xin Wang, Xiao-Dong Zhu, Xu-Ming Xie and Yi-Tao Liu "Hierarchical assembly of SnO2 nanowires on MnO2 nanosheets: a novel 1/2D hybrid architecture for high-capacity, reversible lithium storage" **J. Mater. Chem. A**, 3(12), 6477-6483(2015)
21. Fu-Kuan Shi, Xi-Ping Wang, Ruo-Hai Guo, Ming Zhong and Xu-Ming Xie "Highly stretchable and super tough nanocomposite physical hydrogels facilitated by the coupling of intermolecular hydrogen bonds and analogous chemical crosslinking of nanoparticles" **J. Mater. Chem. B**, 3(7), 1187-1192(2015)