



唯实求真
协力创新

最新动态

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男，1964年3月14日出生于湖南新邵，研究员，现任课题组长和元素有机化学研究室（有机氟化学开放实验室）主任

简历

- 1990年在中国科学院上海有机化学研究所获得博士学位
- 1992年11月至1995年4月在美国 Wyeth-Ayerst Research (Pearl River, New York)做博士后
- 1995年5月回到上海有机化学研究所工作
- 1996年12月晋升为研究员。

研究方向

我们组的主要研究方向为有机氟化学。发展新的氟化试剂和含氟合成子，利用金属有机和不对称合成反应及方法，制备含氟生物活性分子和含氟功能材料。

目前主要研究内容如下：

- 1)：含三氟甲基，二氟亚甲基及单氟合成子的制备。
- 2)：含氟手性分子的合成。
- 3)：含氟维甲酸及含氟核苷的合成。
- 4)：含氟丙烯酸酯单体的合成及其聚合。
- 5)：全氟化合物的制备。
- 6)：氟化方法的建立。

独立开展研究工作后发表的论文（1996--）

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2. Xingang Zhang, Feng-Ling Qing, Yonggang Yang, Jiang Yu and Xiang-Kai Fu. A new route to α -trifluoromethyl- α , β -unsaturated esters. *Tetrahedron Lett.*, 2000,
3. Feng-Ling Qing, Wen-Zhong Gao and Jieweng Ying. Synthesis of 3-trifluoroethylfurans by palladium-catalyzed cyclization-isomerization of (Z)-2-alkynyl-3-trifluoromethyl allylic alcohols. *J. Org. Chem.* 2000,
4. Sheng Peng, Feng-Ling Qing, Yi-Qun Li and Chang-Ming Hu. Palladium(0)/copper(I)-cocatalyzed cross-coupling of the zinc reagent of ethyl 3-bromo-3,3-difluoropropionate with aryl (alkynyl)halides: An efficient stereoselectivity synthesis of fluoro-nsaturated esters. *J. Org. Chem.* 2000, 65, 694.
5. Sheng Peng, Feng-Ling Qing. Diethyl 3-bromo-3,3-difluoropropyl acetal: preparation and SnCl₄-promoted cross-coupling reaction with trimethylsilyl enol ethers. *J. Fluorine Chem.* 2000,
6. Feng-Ling Qing, Jieweng Ying and Yanmei Zhang. A Stereoselective Synthesis of Ethyl 9-cis-7,8-Didehydro-19-trifluoromethylretinoate. *J. Fluorine Chem.* 2000, 101, 31
7. Feng-Ling Qing and Xiang-Jun Yue. The Preparation of 9,13-dicis double bonds locked retinoids. *Chin. J. Chem.* 2000, 18, 76.
8. Joseph W. Epstein, Feng-Ling Qing, Gary, H. Birnberg and Adam. M. Gilbert. Restricted 9-cis retinoids. *U.S. Patent* US 5968908, 1999.
9. Feng-Ling Qing, Sheng Peng. Fluorine-containing optically active allylic alcohols: preparation and claisen rearrangement as a new entry to highly-functionalized fluorinated amino alcohol derivatives. *J. Chem. Soc. Perkin Trans I*, 1999, 22, 3345.
10. Feng-Ling Qing and Junfa Fan. Synthesis of the Trifluoromethylated Retinoial Aromatic Amide-4-[1-(5,6,7,8-tetrahydro-3-trifluoromethyl-5,5,8,8-tetramethyl-2-naphthalenyl)carbonyl]benzoic acid. *J. Fluorine Chem.*, 1999,96, 159
11. Dongpeng Wan and Feng-Ling Qing. Cross-Coupling of difluoromethylene-containing vinyl trimethylsilanes with aryl iodides mediated by a palladium catalyst and tris(diethylamino)sulfonium difluorotrimethylsilicate. *J. Fluorine Chem.*, 1999, 94, 105
12. Feng-Ling Qing, Dongpeng Wan. The addition of dibromodifluoromethane to (trimethylsilyl)acetylene and transfromations of the products. *Tetrahedron*, 1998, 54(47): 14189
13. Sheng Peng, Feng-Ling Qing. (4S)-4-[(1R)-1-hydroxy-2-trifluoromethylpropenyl]-2,2-dimethyloxazolidine-3-carboxylic acid tert-butyl ester: Highly diastereoselective synthesis and palladium catalyzed arylations. *Synlett.*, 1998, 859.
14. Feng-Ling Qing and Sheng Peng. An unexpected Synthesis of Optical Active Monofluorine-Containing Bicyclic Compounds. *Chin. Chem. Lett.*, 1998, 9, 907.
15. Feng-Ling Qing, Sheng Peng and Chang-Ming Hu. Synthesis of (2R)-N-Boc-2- -amino-4,4,4-trifluorobutanoic acid using trifluoromethylation of Garner aldehyde. *J. Fluorine Chem.*, 1998, 88, 79.
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19. Feng-Ling Qing, Junfa Fan, Hongbin Sun and Xiangjun Yue. The first synthesis of trifluoromethylated aryl triflates. *J. Chem. Soc. Perkin Trans I*, 1997, 20, 3053.
20. Hongbin Sun, Feng-Ling Qing and Xianfeng Chen. The first regiospecific synthesis of 8,8-dimethyl-2H, 8H-[2,3-h]quinoline-2-one and related compounds. *Synthesis*, 1997, 1249.
21. Feng-Ling Qing and Xiangjun Yue. A novel synthesis of 9,13-dicis double bonds locked retinoids. *Tetrahedron Lett.*, 1997, 38(46), .8067.

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