# 河南省科学技术奖公示内容

**二、省自然科学奖：**项目名称，提名者及提名等级，代表性论文（专著）目录，主要完成人员，主要完成单位。

项目名称：基于C–H键官能团化的功能有机分子创制

提名者：河南省教育厅

提名等级：省自然科学奖，三等奖

主要完成人员：范学森，李彬，郭胜海，何艳，张新迎

主要完成单位：河南师范大学

代表性论文（专著）目录

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **序号** | **论文专著名称/****刊名/ 作者** | **年卷页码****（xx年xx卷xx页）** | **发表时间** | **通讯****作者** | **第一作者** | **第一署名单位** | **国内****作者** | **他引总次数** | **检索数据库** | **中科院JCR****分区** | **核心****期刊** |
| 1 | Rh(III)-Catalyzed Cascade Reactions of Sulfoxonium Ylides with α‑Diazocarbonyl Compounds: An Access to Highly Functionalized Naphthalenones/Organic Letters*/*Xi Chen, Muhua Wang, Xinying Zhang, Xuesen Fan | 2019年21卷2541-2545页 | 2019.04.08 | Xinying Zhang, Xuesen Fan | Xi Chen | Henan Normal University | Xi Chen, Muhua Wang Xinying Zhang, Xuesen Fan | 95 | Web of Science | 1 | 否 |
| 2 | Synthesis of Maleimide Fused Benzocarbazoles and Imidazo[1,2-*a*]pyridines via Rhodium(III)-catalyzed [4 + 2] Oxidative Cycloaddition/Organic Chemistry Frontiers*/*Bin Li, Chenhao Guo, Nana Shen, Xinying Zhang, Xuesen Fan | 2020年7卷3698-3704页 | 2020.10.13 | Bin Li, Xuesen Fan | Bin Li | Henan Normal University | Bin Li, Chenhao Guo, Nana Shen, Xinying Zhang, Xuesen Fan | 44 | Web of Science | 1 | 否 |
| 3 | Selective Synthesis of Pyrazolo[1,2‑*a*]pyrazolones and 2‑Acylindoles via Rh(III)-Catalyzed Tunable Redox-Neutral Coupling of 1‑Phenylpyrazolidinones with Alkynyl Cyclobutanols/Organic Letters/Yuanshuang Xu, Mengyang Shen, Xinying Zhang, Xuesen Fan | 2020年22卷4697-4702页 | 2020.05.28 | Xinying Zhang, Xuesen Fan | Yuanshuang Xu | Henan Normal University | Yuanshuang Xu, Mengyang Shen, Xinying Zhang, Xuesen Fan | 33 | Web of Science | 1 | 否 |
| 4 | Complementary C−H Functionalization Mode of Benzoylacetonitriles: Computer-Augmented Study of a Regio- and Stereoselective Synthesis of Functionalized Benzofulvenes/Organic Letters*/*Xia Song, Bao Nguyen Do Doan, Xinying Zhang, Richmond Lee, Xuesen Fan. | 2020年22卷46-51页 | 2019.12.23 | Richmond Lee, Xuesen Fan | Xia Song | Henan Normal University | Xia Song, Xinying Zhang, Xuesen Fan | 32 | Web of Science | 1 | 否 |
| 5 | Rh(III)-Catalyzed Oxidative Spirocyclization of Isoquinolones with α‑Diazo-1,3-indandiones/Organic Letters/Shenghai Guo, Lincong Sun, Yangfan Liu, Nana Ma, Xinying Zhang, Xuesen Fan | 2019年21卷4082-4086页 | 2019.05.23 | Shenghai Guo, Nana Ma, Xuesen Fan | Shenghai Guo | Henan Normal University | Shenghai Guo, Lincong Sun, Yangfan Liu, Nana Ma, Xinying Zhang, Xuesen Fan | 33 | Web of Science | 1 | 否 |
| 6 | Synthesis of Fused or Spiro Polyheterocyclic Compounds via the Dehydrogenative Annulation Reactions of 2‑Arylindazoles with Maleimides/Organic Letters/Chenhao Guo, Bin Li, Huilai Liu, Xiaopeng Zhang, Xinying Zhang, Xuesen Fan | 2019年21卷7189-7193页 | 2019.09.04 | Xinying Zhang, Xuesen Fan | Chenhao Guo | Henan Normal University | Chenhao Guo, Bin Li, Huilai Liu, Xiaopeng Zhang, Xinying Zhang, Xuesen Fan | 76 | Web of Science | 1 | 否 |
| 7 | Rhodium-Catalyzed Selective Oxidative (Spiro)annulation of2‑Arylindoles by Using Benzoquinone as a C2 or C1 Synthon/Organic Letters/Shenghai Guo, Yangfan, Liu, Lu Zhao, Xinying, Zhang, Xuesen Fan | 2019年21卷6437-6441页 | 2019.08.06 | Shenghai Guo, Xuesen Fan | Shenghai Guo | Henan Normal University | Shenghai Guo, Yangfan Liu, Lu Zhao, Xinying Zhang, Xuesen Fan | 46 | Web of Science | 1 | 否 |
| 8 | Selective Cleavage and Tunable Functionalization of the C−C/C−N Bonds of N‑Arylpiperidines Promoted by *t*BuONO/Organic Letters/Yan, He, Zhi Zheng, Yajie Liu, Jiajie Qiao, Xinying Zhang, Xuesen Fan | 2019年21卷1676-1680页 | 2019.03.04 | Yan He, Xuesen Fan | Yan He | Henan Normal University | Yan, He, Zhi Zheng, Yajie Liu, Jiajie Qiao, Xinying Zhang, and Xuesen Fan | 37 | Web of Science | 1 | 否 |
|  | 合计 | 396 |  |  |  |