**第六届妇幼健康科学技术奖**

**科技成果奖项目基本情况公示**

1. **成果名称：**生命早期维生素D与儿童健康促进的临床和基础研究
2. **主要完成人：**

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1. **主要完成单位：**

1.上海交通大学医学院附属上海儿童医学中心；2. 上海交通大学医学院附属新华医院；3.上海交通大学

1. **主要证明目录**

**（1）代表性论文目录（限10篇）**

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| --- | --- | --- | --- | --- | --- | --- |
| 序号 | 论文名称/作者 | 刊名 | 年卷页码  (xx年xx卷xx页) | 通讯作者(含共同) | 第一作者(含共同) | 他引次数 |
| 1 | Maternal vitamin D status and childhood asthma, wheeze, and eczema: A systematic review and meta-analysis | Pediatr Allergy Immunol | 2016;27(6):612-9 | Xiaodan Yu | Zhenzhen Wei | 50 |
| 2 | Associations Between Maternal Vitamin D Status During Three Trimesters and Cord Blood 25(OH)D concentrations in Newborns: A Prospective Shanghai Birth Cohort Study | Eur J Nutr | 2021;60(6):3473-3483. | Mingqing Xu, Xiaodan Yu | Xirui Wang, Xianting Jiao | 41 |
| 3 | Vitamin D status and related factors in newborns in Shanghai, China. | Nutrients | 2014;6(12):5600-10. | Xiaodan Yu | Xiaodan Yu, Weiye Wang | 38 |
| 4 | Vitamin D deficiency during pregnancy affects the function of Th1/Th2 cells and methylation of IFN-γ gene in offspring rats. | Immunol Lett | 2019;212;98-105. | Xiaodan Yu | XianTing Jiao, Lei Wang, ZhenZhen Wei | 24 |
| 5 | Relationships between serum 25-hydroxyvitamin D and quantitative ultrasound bone mineral density in 0-6 year old children. | Bone | 2013;53(1):306-10. | Xiaodan Yu | Xiaodan Yu | 18 |
| 6 | Vitamin D deficiency and high serum IL-6 concentration as risk factors for tubal factor infertility in Chinese women. | Nutrition | 2018;49:24-31. | Xiaodan Yu | Weiwei Chen, Xianting Jiao | 15 |
| 7 | Effects of circulating vitamin D concentrations on emotion, behavior and attention: A cross-sectional study in preschool children with follow-up behavior experiments in juvenile mice. | J Affect Disord | 2020, 275:290-298. | Xiaodan Yu | Xirui Wang | 9 |
| 8 | Maternal and neonatal blood vitamin D status and neurodevelopment at 24 months of age: a prospective birth cohort study. | World J Pediatr | 2023;19(9):883-893. | Xiaodan Yu | Yue Zhang, Chun-Yan Zhou, Xi-Rui Wang | 4 |
| 9 | Effect modification by maternal vitamin D status in the association between prenatal exposure to per- and polyfluoroalkyl substances and neurodevelopment in 2-year-old children. | Environ Int | 2024;185:108563. | Xiaodan Yu, Ying Tian | Yu Gao,  Yan Zhang | 4 |
| 10 | Associations between Longitudinal Maternal and Cord Blood Vitamin D Status and Child Growth Trajectories Up to 4 Years of Age. | Nutrients | 2024;16(15):2410. | Xiaodan Yu | Chen chen | 2 |

**（2）代表性论文被他人引用的情况（限10篇）**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 被引代表性论文序号 | 引文名称/作者 | 引文刊名 | 引文发表时间 |
| 1 | 1 | Childhood asthma: pathogenesis and phenotypes/ Pijnenburg M, et al. | European respiratory journal | 2022.7.9 |
| 2 | 1 | Antenatal vitamin D exposure and childhood eczema, food allergy, asthma and allergic rhinitis at 2 and 5 years of age in the atopic disease-specific Cork BASELINE Birth Cohort Study/Hennessy A, et al. | Allergy | 2018.8.29 |
| 3 | 1 | Fish oil in infancy protects against food allergy in IcelandResults from a birth cohort study/ Clausen M, et al. | Allergy | 2018.1.31 |
| 4 | 2 | Exposome and foetoplacental vascular dysfunction in gestational diabetes mellitus/ Valero P, et al. | Molecular aspects of medicine | 2021.9.2 |
| 5 | 1 | Vitamin D and Multiple Health Outcomes: An Umbrella Review of Observational Studies, Randomized Controlled Trials, and Mendelian Randomization Studies/Liu D, et al. | Advances in nutrition | 2022.8.1 |
| 6 | 8 | Trimester-specific effect of maternal co-exposure to organophosphate esters and phthalates on preschooler cognitive development: The moderating role of gestational vitamin D status/ Lu M, et al. | Environmental research | 2024.6.15 |
| 7 | 1 | Vitamin D supplementation in pregnant women or infants for preventing allergic diseases: a systematic review and meta-analysis of randomized controlled trials/Luo C, et al. | Chinese medical journal | 2022.1.12 |
| 8 | 4 | Maternal influences on offspring food allergy/ Lee HY, et al. | Immunological reviews | 2024.9.14 |
| 9 | 9 | Associating prenatal antibiotics exposure with attention deficit hyperactivity disorder symptoms in preschool children: The role of maternal vitamin D/ Geng M, et al. | Ecotoxicology and environmental safety | 2024.9.12 |
| 10 | 4 | IFNγ regulates ferroptosis in KFs by inhibiting the expression of SPOCD1 through DNMT3A/ Wang X, et al. | Cell death discovery | 2025.1.16 |

**（3）知识产权证明**

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| **序号** | **软件著作权名称** | **登记号** |
| 1 | 发育行为性疾病及营养喂养问题信息管理系统 | 2024SR0132181 |
| 2 | 发育行为性疾病及营养喂养问题测评系统 | 2024SR0134139 |