

2023年,学院紧密围绕学校申硕、科研兴院、科研服务教学、服务地方经济的原则,营造良好的科研氛围,科研和申硕工作取得进一步发展。2023年学院教师共立项各级各类科研项目18项,其中省部级1项,市厅级11项(含按校级考核),横向合作项目2项。2023年学院教师在各类学术期刊上公开发表高水平学术论文共35篇,其中SCI收录8篇,EI收录20篇,中文核心期刊7篇;普通期刊论文39篇。2023年学院共获得专利与软著授权32项,被企事业单位采用研究报告3篇,出版教材与专著3项,组织学术讲座10次。

2023年智能制造学院教师中文核心及以上期刊论文发表情况

序号	论文题目	作者	刊物名称	出版时间	核心类型
1	Evaluating online Car.Hailing Quality of Service Based on the Entropy and IPA method	王丽萍,郑庆龙(学),黄琪(学)	ISCTT2022	2023.11.29	I2(EI.CA检索)
2	基于响应曲面法的钛精矿共用煤.铁粉的预还原	周兰花,曾富洪	矿产综合利用	2023.10.27	G1(中文核心期刊)
3	Tribological performance and lubrication mechanism of carbon nitride nanosheets as novel and high. efficiency additives for water lubrication	唐伟伟,张喆,Li Chenjie(外),刘海东,李玉峰,祝维,Bai Lichun(外)	Journal of Molecular Liquids	2023.10.15	C1(中科院SCI/SSCI二区全文)
4	Multi. dimensional Model. driven Robot Digital Twin System	魏弦	2023 2 nd International Symposium on Sensor Technology and Control	2023.09.28	I2(EI.CA检索)
5	Establishment of Technical Standard Database for Surface Engineering Construction of Oil and Gas Field	夏太武(外),戴志向(外),黄湛(外),柳立(外),罗明(外),王峰(外),张炜(外),周丹,周军(外)	processes	2023.09.26	D1(中科院SCI/SSCI三区全文)
6	Contact stresses and bending stresses analysis of curvilinear cylindrical gears generated by a face.milling cutter with parabolic profile	张学刚,黄小兵,干斌(外)	Revista Internacional de Métodos Numéricos para Cálculo y Dise?o en Ingeniería	2023.09.18	E1(中科院SCI/SSCI四区全文)
7	Research on Surface Defect Detection System for Brake Disc based on	郑彬,唐思源(学)	ITOEC 2023	2023.09.15	I2(EI.CA检索)

	Machine vision				
8	Application of Image Processing in Piston connecting Rod Group Surface Defect Detection	郑彬, 简红吉, 张珂媛 (学)	ITOEC 2023	2023. 09. 15	I2 (EI. CA 检索)
9	Research on Gear Surface Defect Detection Based on Machine Vision	郑彬, 徐钒 (学)	ITOEC 2023	2023. 09. 15	I2 (EI. CA 检索)
10	Graphitic carbon nitride quantum dots as novel and efficient friction reduction and anti.wear additives for water.based lubrication	唐伟伟, 王毅 (学), 朱学军, 张喆, 祝维, 刘海东, 高微, 李玉峰	Wear	2023. 09. 15	B1 (中科院 SCI/SSCI 一区全文)
11	Evaluating the contact model for anisotropic non . Gaussian roughness in mixed lubrication regime	高志强 (外), 魏弦, 彭丽霞 (外), 傅卫平 (外), 王雯 (外), 胡伟鹏 (外)	PHYSICS OF FLUIDS	2023. 09. 06	C1 (中科院 SCI/SSCI 二区全文)
12	The Research and Design of a Dual.Screw Suspension Garbage Collection Machine	吴俊杰 (学), 周丹, 戚洪荣 (学), 吴永川 (学), 张志森	2022 International Conference on Intelligent Manufacturing , Advanced Sensing and Big Data	2023. 08. 18	I2 (EI. CA 检索)
13	Development of the Drum Brake Parametric Modeling System	郑彬	CAMMIC 2023	2023. 08. 17	I2 (EI. CA 检索)
14	农用内燃机钛合金连杆振动分析与拓扑优化	郑彬, 甫圣焱 (学), 向上 (学)	中国农机化学报	2023. 08. 17	G1 (中文核心期刊)
15	Automobile Profession Responds to the Development of Automobile Intelligence	郑彬, 晁遥 (学)	ICCCBDA 2023	2023. 07. 13	I2 (EI. CA 检索)
16	Composite rock breaking of high.pressure CO2 jet & polycrystalline.diamond .compact (PDC) cutter using a coupled SPHFEM model	蔡灿 (外), 张培 (外), 徐大萍, 杨先鹏 (外), 周应芳 (外)	International Journal of Mining Science and Technology	2023. 07. 10	F2 (CSCD 来源期刊核心库). B1 (中科院 SCI/SSCI 一区全文)
17	基于疲劳负荷均衡的手术护士排台研究	黄丽, 罗群 (外), 韩颖 (外), 贾舒媛, 汪顶玉 (外)	护理研究	2023. 06. 25	G1 (中文核心期刊)

18	基于 RGB 图像处理的轮胎胎面缺陷检测方法研究	郑彬, 罗山, 蒋银成 (学)	制造业自动化	2023. 06. 15	G1 (中文核心期刊)
19	Research_on_Simulation_design_of_temperature_control_system_based_on_5l_single_chip_microcomputer	李秋雨 (学), 张志森, 阳运金 (学)	Mechatronics Technology and Intelligent Manufacturing	2023. 05. 26	I2 (EI. CA 检索)
20	Remaining Useful Life Prediction of Rolling Bearings Based on Multi.Scale Attention Residual Network	宋林, 吴军 (外), 王立平 (外), 陈果 (外), 施怡乐 (外), 刘知贵 (外)	entropy	2023. 05. 14	D1 (中科院 SCI/SSCI 三区全文)
21	Research on Appearance Quality of Nectarine Based on Machine Vision	杜瑾 (学), 杨艳	2022 International Conference on Image Processing, Computer Vision and Machine Learning	2023. 05. 11	I2 (EI. CA 检索)
22	Finite element analysis and optimum design of spiral groove brake drum	张敬东, 郑彬	IEEE/ICCCBDA2023	2023. 04. 28	I2 (EI. CA 检索)
23	Carbon nitride quantum dots: Towards efficient nano.additives in polyethylene glycol	唐伟伟, 刘海东, 祝维, 魏弦	Carbon	2023. 04. 23	C1 (中科院 SCI/SSCI 二区全文)
24	基于机器视觉的石榴品质自动分级方法	罗山, 候俊涛 (学), 郑彬	中国农机化学报	2023. 03. 31	G1 (中文核心期刊)
25	传动比对汽车实际行驶排放试验动力学特性与排放的影响	马志磊 (外), 何超 (外), 李加强 (外), 刘学渊 (外), 张健	环境科学研究	2023. 03. 10	G1 (中文核心期刊). F2 (CSCD 来源期刊核心库)
26	Design and Analysis of Walking device of Multi.function Ecological Planting Grass Cart	起雪梅, 邬云杰 (学), 张健, 王宇昊 (学)	AMTEI 2022	2023. 03. 01	I2 (EI. CA 检索)
27	Comparison of algorithms based on lightweight frame problem	张健, 冉威 (学), 起雪梅	MEAI 2022	2023. 02. 28	I2 (EI. CA 检索)
28	Design of Structure and Control System of Automatic Handling	李琴, 罗世君 (学)	Proceedings of SPIE. The International	2023. 02. 22	I2 (EI. CA 检索)

	Robot		for Optical Engineering		
29	Design of voice recognition of intelligent household waste classification system	何虹（学），李琴	Proceedings of SPIE. The International for Optical Engineering	2023.02.22	I2 (EI. CA 检索)
30	Research on Surface Defect Detection of the Connecting Rod Based on Machine Vision	郑彬, 莫少雄（学）	ITNEC 2023	2023.02.15	I2 (EI. CA 检索)
31	Engine connecting rod offline defect detection based on HALCON	郑彬	UPB Scientific Bulletin, Series D: Mechanical Engineering	2023.01.13	F3 (EI. JA 检索)
32	Research on Surface Defect Detection System of Brake Disc	郑彬, 王聪, 李雪（学）	IMCEC 2022	2023.01.13	I2 (EI. CA 检索)
33	Defect identification of the synchronous pulley based on the mathematical morphology	郑彬, 王聪, 龙晓夏（学）	IMCEC 2022	2023.01.13	I2 (EI. CA 检索)
34	Research on the Drum Brake Surface Defect Detection Based on HALCON	郑彬, 胡磊（学）	IMCEC 2022	2023.01.13	I2 (EI. CA 检索)
35	微沟槽结构对膨胀锥摩擦性能影响的数值模拟	王鑫（外），郭慧娟（外），徐丙贵（外），赵运才（外），王宏伟（外），郑彬	石油机械	2023.01.13	G1 (中文核心期刊)