1. **Heat Treatment of 20MnCr5 and X20NiCrAlMoV6-5-2-1 for High Temperature Gear Applications**

Steinbacher, Matthias (Leibniz-Institut für Werkstofforientierte Technologien-IWT, Badgasteiner Str. 3, Bremen; 28359, Germany); Hellenbrand, Gerrit; Mevissen, Dieter; Brimmers, Jens; Brecher, Christian **Source:** *ASTM Special Technical Publication*, v STP 1649, p 29-47, 2024, *Bearing and Transmission Steels Technology*
**Database:** Compendex
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2. **Effect of Al Element on Retained Austenite, Residual Compressive Stress, and Contact Fatigue Life of Carburized and Quenched 20MnCr5 Steel Gear** (*Open Access*)

Chen, Yong (State Key Laboratory of Featured Metal Materials and Life-Cycle Safety for Composite Structures, Guangxi University, Nanning; 530004, China); Luo, Li; Zhang, Yuquan; Zhou, Xingyun; Zeng, Deshan; Yu, Fucheng **Source:** *Materials*, v 17, n 23, December 2024
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3. **Prediction of residual stress depth profiles in case-carburized gears** (*Open Access*)

Müller, Daniel (Gear Research Center (FZG), Institute of Machine Elements, TUM School of Engineering and Design, Technical University of Munich, Boltzmannstrasse 15, Garching; 85748, Germany); Tobie, Thomas; Stahl, Karsten **Source:** *Forschung im Ingenieurwesen/Engineering Research*, v 88, n 1, December 2024
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4. **Study on Heat Transfer Characteristics of High-Speed Herringbone Gear in Meshing Process Under Oil Injection Lubrication**

Chu, Xiaomeng (College of Mechanical Engineering and Automation, Liaoning University of Technology, Liaoning Province, Jinzhou; 121001, China); Liu, Yali; Zeng, Hong **Source:** *Journal of Thermal Science and Engineering Applications*, v 16, n 4, April 1, 2024
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5. **Optimization of splash lubrication in the gearbox considering heat transfer performance**

Qian, Xu (School of Mechanical and Aerospace Engineering, Jilin University, Changchun; 130022, China); Yan, Wanbin; Chen, Sujiao; Zhang, Yonghua; Luo, Yuchao; Liu, Chunbao **Source:** *Tribology International*, v 195, July 2024
**Database:** Compendex
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6. **A numerical model for total bending fatigue life estimation of carburized spur gears considering the hardness gradient and residual stress**

Sun, Xianshun (Key Laboratory of High Efficiency and Clean Mechanical Manufacture of MOE, School of Mechanical Engineering, Shandong University, Jinan; 250061, China); Zhao, Jun; Song, Shaokang; Lu, Yongliang; Sun, Huiyang **Source:** *Meccanica*, v 59, n 7, p 1037-1060, July 2024
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**7. Numerical analysis of the heat transfer of gears under oil dip lubrication** (*Open Access*)

Hildebrand, Lucas (Technical University of Munich, School of Engineering and Design, Department of Mechanical Engineering, Gear Research Center (FZG), Boltzmannstraße 15, Garching near Munich; D-85748, Germany); Genuin, Stefan; Lohner, Thomas; Stahl, Karsten **Source:** *Tribology International*, v 195, July 2024
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**8. Heat transfer on impingement cooled meshing spur gears: Experimental comparison of into-mesh, out-of-mesh and inclined impingement methods** (*Open Access*)

Ayan, Emre (Institute of Thermal Turbomachinery, Karlsruhe Institute of Technology, Karlsruhe, Germany); Kromer, Christian; Schwitzke, Corina; Bauer, Hans-Jörg **Source:** *Heat and Mass Transfer/Waerme- und Stoffuebertragung*, v 60, n 4, p 685-700, April 2024
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**9. Understanding the distinction between quenching and carburizing quenching stress field: Evolution mechanism of quenching stress field influenced by carbon content in low-carbon alloy steel**

Liu, Huaming (State Key Laboratory of Precision Manufacturing for Extreme Service Performance, Central South University, Changsha; 410017, China); Tang, Jinyuan; Liu, Chenwei; Liu, Yashuai; Jiang, Weizhe; Sun, Beier **Source:** *Surface and Coatings Technology*, v 489, August 15, 2024
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**10. Flank fractures on spiral bevel gears—transfer of analytical methods for the estimation of residual stresses from cylindrical gears to bevel gears** (*Open Access*)

Truong, Thi Tra My (Institute of Machine Elements and Machine Design (IMM), TU Dresden, Dresden; 01062, Germany); Ulrich, Carsten; Schumann, Stefan; Schlecht, Berthold **Source:** *Forschung im Ingenieurwesen/Engineering Research*, v 88, n 1, December 2024
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**11. Investigation on the Lubrication Heat Transfer Mechanism of the Multilevel Gearbox by the Lattice Boltzmann Method** (*Open Access*)

Li, Qihan (College of Mechanical Engineering, Zhejiang University of Technology, Hangzhou; 310014, China); Xu, Pu; Li, Lin; Xu, Weixin; Tan, Dapeng **Source:** *Processes*, v 12, n 2, February 2024
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**12. A novel dynamic heat-flow coupled model under spray lubrication for high-speed gears: CFD simulation and experimental validation**

Qiao, Zizhen (State Key Laboratory of Advanced Design and Manufacture for Vehicle Body, Hunan University, Changsha; 410082, China); Zhou, Changjiang; Su, Jie; Jiang, Xinghe **Source:** *Simulation Modelling Practice and Theory*, v 131, February 2024
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### 13. Wear and friction of self-lubricating coatings applied to spur gears in fluid- free aerospace actuation gearboxes

Finch, Thomas (nCATS, Faculty of Engineering and Physical Sciences, University of Southampton, Southampton, United Kingdom); Vitu, Tomas; Polcar, Tomas **Source:** *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, v 238, n 1, p 26-43, January 2024
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### 14. Understanding the Structure-property Relationships of Solid-state Additively Manufactured Stainless-steel Coatings

Ralls, Alessandro Mauricio (University of Nevada, Reno) **Source:** *ProQuest Dissertations and Theses Global*, 2024
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### 15. Untersuchung der Maß- und Formänderungen bei kombinierten Randschichtwärmebehandlungen von Getriebekomponenten aus 31CrMoV9 und 42CrMo4

Hoja, S. (Leibniz-Institut fur Werkstofforientierte Technologien, IWT, Badgasteiner Str. 3, Bremen; 28359, Germany); Guba, N.; Haupt, N.; Surm, H.; Hüsemann, T. **Source:** *HTM - Journal of Heat Treatment and Materials*, v 79, n 4, p 161-183, August 1, 2024
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### 16. Hybrid manufacturing approach for landing gear applications: WAAM Ti–6Al–4V on forged Ti–5Al–5Mo–5V–3Cr (*Open Access*)

Hicks, Calum (National Manufacturing Institute Scotland (NMIS), University of Strathclyde, Glasgow, United Kingdom); Tamimi, Saeed; Sivaswamy, Giribaskar; Pimentel, Misael; McKegney, Scott; Fitzpatrick, Stephen **Source:** *Journal of Materials Research and Technology*, v 30, p 6596-6608, May 1, 2024
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### 17. Impacts of DLC and Cr-DLC coatings on noise level emitted during contact fatigue tests on AISI 4320 steel carburized gears

da Silva, Fernando Souza Roker (Department of Materials, Tribology and Surfaces, Federal University of Technology-Paraná, Paraná, Curitiba, Brazil); Franco, Renato Ribeiro; Dalcin, Rafael Luciano; da Silva, Carlos Henrique **Source:** *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, v 46, n 7, July 2024
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### 18. Effect of alloy-specific case-hardening layers on the grindability of gears (*Open Access*)

Hüsemann, Tobias (Leibniz Institute for Materials Engineering, Division Manufacturing Technologies, Badgasteiner Straße 3, Bremen; 28359, Germany); Guba, Nikolai; Surm, Holger; Heinzel, Carsten **Source:** *CIRP Annals*, v 73, n 1, p 253-256, January 2024
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Yu, Shuangyang (School of Mechanical and Electrical Engineering, Jiangxi University of Science and Technology, Ganzhou; 341000, China); Chong, Qi; Zhou, Jianzhu; Yang, Youwen; Li, Hua **Source:** *Micromachines*, v 15, n 12, December 2024
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**20. Determination of Material and Fracture Properties of a Case-Hardened Planet Gear and Its Homogenisation Method to Obtain the Damage Mechanism Caused by Fragment Ingestion** (*Open Access*)

Jeßberger, Julia (Mechatronic Systems in Mechanical Engineering, Technical University of Darmstadt, Otto-Berndt-Straße 2, Darmstadt; 64287, Germany); Fischer, Christian; Rinderknecht, Stephan **Source:** *Materials*, v 17, n 2, January 2024
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**21. Influence of discrete laser surface melting on scuffing resistance of W6Mo5Cr4V2 steel gear**

Lv, You (School of Mechanical and Civil Engineering, Jilin Agricultural Science and Technology University, Jilin; 132101, China); Cui, Bo; Sun, Zhaolong; Xiao, Xinlei **Source:** *Surface Topography: Metrology and Properties*, v 12, n 3, September 2024
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**22. Comparative analysis of the ISO tolerance class of 3D-printed spur cylindrical gears produced with material extrusion and powder bed fusion techniques**

Vakouftsis, Christos (National Technical University of Athens, Greece); Vasileiou, Georgios; Kaisarlis, Georgios; Kalligeros, Christos; Papalexis, Christos; Zalimidis, Pavlos; Provatidis, Christopher; Spitas, Vasileios **Source:** *International Journal of Powertrains*, v 13, n 3, p 225-247, 2024
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**23. The effect of fine particle peening on aviation gear performance, Part I: Surface integrity** (*Open Access*)

Zhang, Boyu (State Key Laboratory of Mechanical Transmission for Advanced Equipment, Chongqing University, Chongqing, China); Liu, Huaiju; He, Yongyong; Guagliano, Mario **Source:** *Fatigue and Fracture of Engineering Materials and Structures*, v 47, n 8, p 3000-3014, August 2024
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**24. On-Line Measurement of Rolling Contact Wear Performance of Plastic Gear Material Using Line Structured Light**

Yan, Letian (College of Mechanical Engineering, Chongqing University of Technology, Chongqing; 400050, China); Yang, Changhui; Yang, Ge; Xin, Dong **Source:** *SSRN*, March 29, 2024
**Database:** Compendex
**Data Provider:** Engineering Village
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### 25. On-line measurement of rolling contact wear performance of plastic gear material using line structured light

Yan, Letian (College of Mechanical Engineering, Chongqing University of Technology, Chongqing; 400050, China); Yang, Changhui; Ge, Yang; Xin, Dong **Source:** *Measurement: Journal of the International Measurement Confederation*, v 238, October 2024
**Database:** Compendex
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### 26. Numerical modeling and experimental investigation on fatigue failure and contact fatigue life forecasting for 8620H gear

Li, Xin (State Key Laboratory of Precision Manufacturing for Extreme Service Performance, College of Mechanical and Electrical Engineering, Central South University, Hunan, Changsha; 410083, China); Shao, Wen; Tang, Jinyuan; Ding, Han; You, Shengyu; Zhao, Jiuyue; Chen, Jiling **Source:** *Engineering Fracture Mechanics*, v 296, February 9, 2024
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### 27. A comprehensive optimization method for considering the theoretical and practical machining errors to the accurate power skiving of spur face gears by optimizing both cutting edges and tool path (*Open Access*)

Wang, Zhiyong (College of Mechanical and Intelligent Manufacturing, Central South University of Forestry and Technology, Changsha; 410004, China); Tang, Zhongwei; Zhou, Yuansheng; Zeng, Biao; Tang, Jinyuan **Source:** *Journal of Computational Design and Engineering*, v 11, n 4, p 184-202, August 1, 2024
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### 28. A flexible method to correct tooth surface deviation for CNC power skiving of face gears

Le, Khoe-Qui (Department of Mechanical Engineering, National Central University, No. 300, Zhongda Rd., Zhongli District, Taoyuan City; 320317, Taiwan); Wu, Yu-Ren; Tran, Van-Quyet; Tran, Hoang-Quy **Source:** *International Journal of Advanced Manufacturing Technology*, v 134, n 7-8, p 3665-3685, October 2024
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### 29. Development of precision analysis method of tooth profile in gear skiving process with shape projection of removal area

Yonezawa, Hiroki (Graduate School of Science and Engineering, Saitama University, Shimo-Okubo 255, Sakura-ku, Saitama-shi, Saitama; 338-8570, Japan); Kaneko, Jun'ichi; Abe, Takeyuki; Irino, Naruhiro; Shinba, Yuta; Imabeppu, Yasuhiro **Source:** *International Journal of Abrasive Technology*, v 12, n 5, p 1-14, 2024
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### 30. Analysis of uncut chip geometry and cutting force in gear skiving process using a cylindrical tool

Guo, Erkuo (School of Mechanical Engineering, Jiangsu University, Zhenjiang; 212013, China); Chen, Mingfeng; Liu, Chang; Gu, Xin **Source:** *International Journal of Advanced Manufacturing Technology*, v 132, n 9-10, p 5141-5152, June 2024
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### 31. Evaluation of Machine Tool Dynamics in Dry Gear Hobbing Considering Time-Varying Thermal Effects

Li, Benjie (School of Mechatronic Engineering, Southwest Petroleum University, Chengdu; 610500, China); Zhang, Chao; Yang, Xiao; Li, Huangshuai; Yu, Changlin; Li, Binglin **Source:** *SSRN*, May 27, 2024
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### 32. Cutting state recognition of spiral bevel gear face hobbing (*Open Access*)

Wang, Jingchao (Hunan University, Hunan, Changsha; 410000, China); Yu, Jianwu; Huang, Kaifeng; Shang, Zhentao; Qian, Jun **Source:** *Journal of Physics: Conference Series*, v 2827, n 1, 2024
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### 33. Innovative Processes and Strategies for Increasing Machining Efficiency for Worms and Worm Gears

Lohmann, Jörg (EMAG Koepfer GmbH, Villingen-Schwenningen, Germany) **Source:** *American Gear Manufacturers Association Fall Technical Meeting 2024, FTM 2024*, 2024, *American Gear Manufacturers Association Fall Technical Meeting 2024, FTM 2024*
**Database:** Compendex
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### 34. An efficient vectorization solution to cutting dynamics modeling for face-hobbing of hypoid gears

Huang, Kaifeng (College of Mechanical and Vehicle Engineering, Hunan University, Lushan South Road 2, Yuelu District, Hunan, Changsha; 410082, China); Yu, Jianwu; Luo, Hong; Shang, Zhentao; Huang, Shuai; Fu, Lin **Source:** *Mechanism and Machine Theory*, v 191, January 2024
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### 35. Energy Consumption Modeling and Optimization of a Hobbing Machine Tool Considering Multi-Axis Coupling

Zhang, Jinwen (Chongqing University, College of Mechanical and Vehicle Engineering, The State Key Laboratory of Mechanical Transmission, Chongqing; 400044, China); Li, Congbo; Li, Yongsheng; Wang, Ningbo; Li, Wei **Source:** *IEEE Transactions on Automation Science and Engineering*, v 21, n 3, p 3289-3297, 2024
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### 36. Bending Fatigue Strength of Gear Steels for Automotive Electric Drive Units

Aylott, Christopher (Design Unit, Newcastle University, United Kingdom); Vaidhianathasamy, Moorthy; Shaw, Brian **Source:** *American Gear Manufacturers Association Fall Technical Meeting 2024, FTM 2024*, 2024, *American Gear Manufacturers Association Fall Technical Meeting 2024, FTM 2024*
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### 37. Machine learning for monitoring hobbing tool health in CNC hobbing machine (*Open Access*)

Tambake, Nagesh (Department of Mechanical Engineering, Walchand Institute of Technology, Solapur, India); Deshmukh, Bhagyesh; Pardeshi, Sujit; Mahmoud, Haitham A.; Cep, Robert; Salunkhe, Sachin; Nasr, Emad Abouel **Source:** *Frontiers in Materials*, v 11, 2024
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### 38. A Mathematical Modeling of Computer Numerical Control Skiving Process for Manufacturing Helical Face Gears Using Sensitivity Matrix Combined With Levenberg-Marquardt Algorithm

Le, Khoe-Qui (Department of Mechanical Engineering, National Central University, 300, Zhongda Rd., Zhongli District, Taoyuan City; 320317, Taiwan); Wu, Yu-Ren; Luu, Trong-Thuan **Source:** *Journal of Manufacturing Science and Engineering*, v 146, n 9, September 1, 2024
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### 39. A comprehensive evaluation of DLC coating on gear bending fatigue, contact fatigue, and scuffing performance

Wu, Jizhan (State Key Laboratory of Mechanical Transmission for Advanced Equipment, Chongqing University, Chongqing; 400044, China); Wei, Peitang; Liu, Guoqiang; Chen, Difa; Zhang, Xiuhua; Chen, Taimin; Liu, Huaiju **Source:** *Wear*, v 536-537, January 15, 2024
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### 40. Research on the calculation method of grinding temperature field of spiral bevel gear based on generative machining (*Open Access*)

Gu, Biao (School of Mechanical Engineering, Chongqing University of Technology, Chongqing; 400054, China); Wang, Yuhang; Tan, Rulong; Zhang, Weiqing **Source:** *Journal of Physics: Conference Series*, v 2761, n 1, 2024
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### 41. Prediction of pose- and position-dependent tool-tip dynamics in high-speed dry gear hobbing

Li, Benjie (School of Mechatronic Engineering, Southwest Petroleum University, Chengdu; 610500, China); Zhu, Yingcai; Li, Huangshuai; Zheng, Hualin; Yang, Xiao; Guo, Liang **Source:** *Mechanical Systems and Signal Processing*, v 214, May 15, 2024
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### 42. Multi-physics field coupling interface lubrication contact analysis for gear transmission under various finishing processes

Li, Xin (State Key Laboratory of Precision Manufacturing for Extreme Service Performance, College of Mechanical and Electrical Engineering, Central South University, Changsha; 410083, China); Shao, Wen; Tang, Jinyuan; Zhang, Ding; Chen, Jiling; Zhao, Jiuyue; Wen, Yuqin **Source:** *Engineering Failure Analysis*, v 165, November 2024
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### 43. Modelling and dynamic behaviours of a high-contact-ratio spur-gear system considering rough surface (*Open Access*)

Cheng, Zhenbang (Anhui Undergrowth Crop Intelligent Equipment Engineering Research Center, West Anhui University, Lu'an, 237012, China); Zhou, Yu; Liu, Zhengyu **Source:** *Journal of Vibroengineering*, v 26, n 2, p 223-239, March 1, 2024
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### 44. Sustainability-oriented dry cutting tool collaborative optimization model for face-hobbing hypoid gears

Rong, Shifeng (State Key Laboratory of Precision Manufacturing for Extreme Service Performance, Central South University, Changsha; 410083, China); Zhang, Jiange; Zhang, Xing; Li, Keliang; Rong, Kaibin; Zhou, Zhenyu; Ding, Han **Source:** *Mechanism and Machine Theory*, v 191, January 2024
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### 45. Hobbing mechanism of worm gear tooth surface with wave edges of double enveloping toroidal worm gearing (*Open Access*)

Ma, Xiang (Tianjin Key Laboratory for Advanced Mechatronic System Design and Intelligent Control, School of Mechanical Engineering, Tianjin University of Technology, No. 391 Bingshuixi Road, Xiqing District, Tianjin; 300384, China); Rui, Chengjie; Zhao, Xiaoshuai; Jia, Zeyi **Source:** *Journal of Advanced Mechanical Design, Systems and Manufacturing*, v 18, n 6, 2024
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**Database:** Compendex
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### 46. Numerical and experimental investigation on temperature field during small-module gear creep feed deep profile grinding

Yi, Jun (Hunan Provincial Key Laboratory of High Efficiency and Precision Machining of Difficult-to-Cut Material, Hunan University of Science and Technology, Xiangtan; 411201, China); Pei, Kanglin; Li, Zhihong; Zhou, Wei; Deng, Hui **Source:** *International Journal of Advanced Manufacturing Technology*, v 132, n 9-10, p 4965-4977, June 2024
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### 47. A parametric evaluation model of abrasive interaction for predicting tooth rough surface in spiral bevel gear grinding

Zhou, Weihua (Powder Metallurgy Research Institute, Central South University, Changsha; 410083, China); Tang, Jinyuan; Rong, Kaibin; Li, Zhuan; Shao, Wen **Source:** *Journal of Manufacturing Processes*, v 132, p 659-676, December 26, 2024
**Database:** Compendex
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### 48. On the grinding temperature field of helical gears: Modeling and experiments

Yang, Shuying (College of Mechanical Engineering, Changshu Institute of Technology, Suzhou; 210016, China); Chen, Weifang; Zheng, Lei **Source:** *Journal of Manufacturing Processes*, v 124, p 1010-1024, August 30, 2024
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### 49. A form-grinding wheel optimization method for helical gears based on a PSO-SVM model

Li, Yan (School of Mechanical Engineering, University of Shanghai for Science and Technology, Shanghai; 260093, China); Li, Gang; Wang, Zhonghou; Zhu, Wenmin **Source:** *Precision Engineering*, v 88, p 664-673, June 2024
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### 50. An improved robust identification method for position independent geometric errors of the swing axis of the gear grinding machine

Kai, Xu (College of Mechanical Engineering, Chongqing University of Technology, Chongqing; 400054, China); Zheyu, Li; Guolong, Li; Liuqing, Du; Jianwei, Ji **Source:** *International Journal of Advanced Manufacturing Technology*, v 135, n 9-10, p 4963-4973, December 2024
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### 51. Study of Pocket Pressure and Load Bearing Capacity in Pocket Type Hydrostatic Bearing Under Rotation

Aravindan, S. (Indira Gandhi Centre for Atomic Research, Tamilnadu, Kalpakkam; 603102, India); Sreedharan, K.V.; Partha Sarathy, U.; John Arul, A. **Source:** *Lecture Notes in Mechanical Engineering*, p 431-444, 2024, *Fluid Mechanics and Fluid Power - Select Proceedings of FMFP 2022*
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### 52. Dynamic Modeling of Rolling Bearing Outer Ring Failure with Time-Varying Excitation Under Contact Deformation

Wu, Yangbiao (School of Mechanical Engineering, Inner Mongolia University of Science and Technology, Baotou; 014010, China); Zhang, Chao; Wang, Jianguo; Xu, Shuai **Source:** *Mechanisms and Machine Science*, v 151 MMS, p 777-783, 2024, *Proceedings of the UNIfied Conference of DAMAS, IncoME and TEPEN Conferences (UNIfied 2023) - Volume 1*
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### 53. Study of Wear in Subminiature Thrust Rolling Bearing (*Open Access*)

Kusznierewicz, Z. (Faculty of Mechatronics, Institute of Micromechanics and Photonics, Warsaw University of Technology, ±w. A. Boboli 8, Warsaw; 02-525, Poland); Michalowski, M.; Luczak, S.; Chanko, A.; Samsel, M.; Zarzycki, M.; Barczyk, R.; Kabzinski, B. **Source:** *Acta Physica Polonica A*, v 146, n 4, p 646-649, October 2024
**Open Access type(s):** All Open Access, Gold
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### 54. Influence of Wear on Surface Crack Growth of PPS Thrust Bearing in Water Lubrication under 2300 N at 1200 rpm (*Open Access*)

Kajiwara, Shuhei (University of Toyama, Gofuku 3190, Toyama; 930-8555, Japan); Machino, Sasuga; Kida, Katsuyuki **Source:** *Journal of Physics: Conference Series*, v 2892, n 1, 2024
**Open Access type(s):** All Open Access, Gold
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### 55. Optimization of Restrictor Parameters and Static Characteristics Study on Orifice Type Hydrostatic Thrust Bearing (*Open Access*)

Chen, Yuanlong (School of Mechanical Engineering, Hefei University of Technology, Hefei; 230009, China); Wen, Xinyu; Wang, Yuqing; Wu, Muyao; Zhou, Jiarui; Wanyan, Shaoqi **Source:** *Mechanika*, v 30, n 6, p 507-513, 2024
**Open Access type(s):** All Open Access, Gold
**Database:** Compendex
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### 56. Simulation and Experimental on Thermal Behavior of Hydrostatic Thrust Bearing Based on Superhydrophobic/Oleophobic Surface

Guo, Minghui (State Key Laboratory of Intelligent Manufacturing Equipment and Technology, School of Mechanical Science and Engineering, Huazhong University of Science and Technology, Wuhan; 430074, China); Zhang, Guojun; Hu, Haidong; Tian, Zhuxin; Rong, Youmin; Huang, Yu; Wu, Congyi **Source:** *Journal of Tribology*, v 146, n 11, November 1, 2024
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### 57. Adapting geometry-based polygonal contacts for simulating faulty rolling bearing dynamics (*Open Access*)

Vehviläinen, Milla (VTT Technical Research Centre of Finland Ltd., P.O. Box 1000, VTT; FI-02044, Finland); Rahkola, Pekka; Keränen, Janne; Halme, Jari; Sopanen, Jussi; Liukkonen, Olli; Holopainen, Antti; Tammi, Kari; Belahcen, Anouar **Source:** *Mechanism and Machine Theory*, v 192, February 2024
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### 58. Dynamic modeling and analysis of rolling bearing faults under time-varying excitations considering defect deformation (*Open Access*)

Zhang, Chao (School of Mechanical Engineering, Inner Mongolia University of Science and Technology, Baotou; 014010, China); Wu, Yangbiao; Xu, Shuai; Qin, Feifan; Wu, Le; Ouyang, Bing **Source:** *Journal of Vibroengineering*, v 26, n 4, p 776-792, 2024
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Kumar, Karan K. (Vellore Institute of Technology, Vellore, India); Mandava, Srihari **Source:** *Applied Artificial Intelligence*, v 38, n 1, 2024
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### 60. Coupling effect of partial composite texture and thermal effect on the performance of hydrostatic bearing

Chen, Dongju (Mechanical Industry Key Laboratory of Heavy Machine Tool Digital Design and Testing, Beijing Key Laboratory of Advanced Manufacturing Technology, College of Mechanical & Energy Engineering, Beijing University of Technology, Beijing, China); Cui, Yu; Sun, Kun; Fan, Jinwei; Cheng, Kai **Source:** *Lubrication Science*, v 36, n 5, p 407-419, August 2024
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### 61. Thermal Characteristics of Oil Film in Critical Lubrication State of Heavy Hydrostatic Bearing

Yanqin, Zhang (College of Mechanical Engineering, Nanjing Institute of Technology, Nanjing, China); Ye, Wu; Jiabao, Li; Mulan, Wang; Zhen, Quan **Source:** *Recent Patents on Mechanical Engineering*, v 17, n 4, p 304-311, 2024
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Razavian, Hosein (Mechanical Engineering Department, Bu-Ali Sina University, Iran); Shooshtari, Alireza **Source:** *JVC/Journal of Vibration and Control*, v 30, n 3-4, p 531-544, February 2024
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### 63. Dynamic Performance of Spacecraft Flywheel Ball Bearing with Different Type and Distribution of Cage Pocket Shape

Gao, Shuai (Tsinghua University, Beijing; 100084, China); Liu, Lanyu; Han, Qinkai **Source:** *Mechanisms and Machine Science*, v 139, p 309-319, 2024, *Proceedings of the 11th IFToMM International Conference on Rotordynamics - Volume 1*
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Wu, Yuhou (School of Mechanical Engineering, Shenyang Jianzhu University, Liaoning, Shenyang; 110168, China); Guo, Jiancheng; Zhang, Xiaochen; Zhou, Peng; Meng, Weiying; Bai, Xu; Lu, He **Source:** *Case Studies in Thermal Engineering*, v 64, December 2024
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### 65. Experimental study on the influence of flexible structure and gas supply method on the characteristics of aerostatic tilting-pad bearing

Huang, LingFeng (School of Mechanical Engineering and Automation, Shanghai University, Shanghai, China); Zhu, Liming; Yi, Shuxiang; Zhang, Xiaohan; Wang, Xiaojing; Li, Xiangyu **Source:** *Industrial Lubrication and Tribology*, 2024 Article in Press
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### 66. Characterization of Thermal Conductance Between a Ball and Parallel Plates for Spacecraft Bearing Applications

Walsh, Natalie F. (Thermal Control Department, The Aerospace Corporation, El Segundo; CA; 90245, United States); Takeuchi, Yoshimi R.; Zhang, Zhuomin M.; McHale, John P. **Source:** *AIAA Aviation Forum and ASCEND, 2024*, 2024, *AIAA Aviation Forum and ASCEND, 2024*
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### 67. Ultra-Robust and High-Performance Rotational Triboelectric Nanogenerator by Bearing Charge Pumping (*Open Access*)

Fu, Xianpeng (CAS Center for Excellence in Nanoscience, Beijing Key Laboratory of Micro-nano Energy and Sensor, Beijing Institute of Nanoenergy and Nanosystems, Chinese Academy of Sciences, Beijing; 101400, China); Qin, Yuhan; Zhang, Zhi; Liu, Guoxu; Cao, Jie; Fan, Beibei; Wang, Zhaozheng; Wang, Zheng; Zhang, Chi **Source:** *Energy and Environmental Materials*, v 7, n 2, March 2024
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**Versions:** 1
**Status:** Active - Definitive
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Werner, Michel (RPTU Kaiserslautern Landau, Institute of Machine Elements, Gears and Tribology, Kaiserslautern, Germany); Emrich, Stefan; Koch, Oliver; Sauer, Bernd; Kopnarski, Michael **Source:** *Tribology Transactions*, v 67, n 3, p 401-410, 2024
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Zhao, Lijuan (School of Mechanical Engineering, Ningxia Institute of Science and Technology, Shizuishan, China); Yang, Hexu **Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 13081, 2024, *Third International Conference on Advanced Manufacturing Technology and Electronic Information, AMTEI 2023*
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### 71. A Novel 3d Design of the Hydrodynamic Pocketed Thrust Bearing with Slip Engineered for Eliminating Cavitation

Syafaat, Imam (Department of Mechanical Engineering, Faculty of Engineering, Universitas Wahid Hasyim, Jln. Raya Gunungpati KM. 15, Nongkosawit, Gunungpati, Semarang; 50224, Indonesia); Nugroho, Agung; Sodikin, Muchammad; Hida, Ajib Akmal; Ratnani, Rita Dwi; Setiyana, Budi; Muchammad, Muchammad; Tauviqirrahman, Mohammad **Source:** *SSRN*, August 19, 2024
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Huo, Zhongtang (Mechanical and Electrical College, Handan University, Handan; 056000, China); Chen, Jianqi; Hao, Lingjuan; Gao, Jiansong **Source:** *Journal of Failure Analysis and Prevention*, v 24, n 6, p 2794-2805, December 2024
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Morales-Espejel, Guillermo Enrique (SKF Research and Technology Development, Meidoornkade 14, Houten; 3992 AE, Netherlands); Misiaszek, Matthew; Lengagne, Thomas; Guo, Liang **Source:** *Tribology Online*, v 19, n 6, p 573-583, 2024
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### 74. A 3D design of the hydrodynamic pocketed thrust bearing with slip engineered for eliminating cavitation (*Open Access*)

Syafaat, Imam (Department of Mechanical Engineering, Faculty of Engineering, Universitas Wahid Hasyim, Jln. Raya Gunungpati KM. 15, Nongkosawit, Gunungpati, Semarang; 50224, Indonesia); Nugroho, Agung; Sodikin, Muchammad; Hida, Ajib Akmal; Ratnani, Rita Dwi; Setiyana, Budi; Muchammad, Muchammad; Tauviqirrahman, Mohammad **Source:** *Results in Engineering*, v 24, December 2024
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Huang, Chen (College of Mechanical Engineering, Changzhou University, Jiangsu Province, Changzhou, China); Zhang, Yongbin **Source:** *Continuum Mechanics and Thermodynamics*, v 36, n 3, p 445-458, May 2024
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Xie, Bin (School of Mechanical Engineering and Automation, Beihang University, Beijing; 100191, China); Wang, Yanzhong; Zhu, Yunyi; Liu, Peng; Wu, Yu; Lu, Fengxia **Source:** *Reliability Engineering and System Safety*, v 241, January 2024
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Wang, Xinqi (School of Mechanical Engineering, Dalian University of Technology, No. 2, Linggong Road, Ganjingzi District, Liaoning Province, Dalian; 116024, China); Sun, Wei; Wang, Lintao; Liang, Shihu; Chi, Huashan; Yuan, Bo **Source:** *Engineering Failure Analysis*, v 162, August 2024
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**78.** **Relating rolling contact fatigue (RCF) life to the microstructure evolution in aerospace grade bearing steels: A comparison of Cronidur-30 with AISI 440C**

Rejith, R. (Bearings and Space Tribology Group, ISRO Inertial Systems Unit, Vattiyoorkavu, Trivandrum; 695013, India); Arivu, Y.; Kesavan, D.; Chakravarthy, P.; Narayana Murty, S.V.S. **Source:** *International Journal of Fatigue*, v 186, September 2024
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Didier, Adrien (INSA Lyon, CNRS, LaMCoS, UMR 5259, Villeurbanne; 69621, France); Naouar, Naim; Deterre, Geoffray; Chaudet, Philippe; Nelias, Daniel **Source:** *Materialia*, v 38, December 2024
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**80.** **Micromechanical response of dual-hardening martensitic bearing steel before and after rolling contact fatigue** (*Open Access*)

Loaiza, Tania (Department of Materials Science and Engineering, KTH Royal Institute of Technology, Stockholm, SE 100 44, Sweden); Fischer, Tim; Babu, Revathy Prasath; Hedström, Peter **Source:** *Journal of Materials Research and Technology*, v 29, p 4728-4734, March 1, 2024
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**81.** **A rolling contact fatigue life prediction model for bearing steel considering its gradient structure due to cyclic hardening**

Zhao, Yue (School of Mechanical Electronic & Control Engineering, Beijing Jiaotong University, Beijing, China); Wang, Xi; Guo, Rubing; Sun, Shouguang **Source:** *International Journal of Damage Mechanics*, v 33, n 4, p 293-309, April 2024
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Zhao, Yue (School of Mechanical Electronic & Control Engineering, Beijing Jiaotong University, Beijing; 100044, China); Hou, Yu; Wang, Xi; Wei, Jiaqi; Shi, Huailong; Sha, Chengyu; Sun, Shouguang **Source:** *Engineering Failure Analysis*, v 159, May 2024
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He, Haifeng (School of Mechanical and Electrical Engineering, Guizhou Normal University, 550025, China); Chen, Yiming; Jin, Xin; Liu, Heli; Wang, Chunmei **Source:** *International Journal of Fatigue*, v 184, July 2024
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Escalero, Mikel (Ikerlan Technology Research Center, Basque Research and Technology Alliance, Spain); Olave, Mireia; Behnke, Karsten; Muñiz-Calvente, Miguel **Source:** *Journal of Physics: Conference Series*, v 2692, n 1, 2024
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Han, Xinqi (School of Mechanical Engineering and Mechanics, Key Laboratory of Part Rolling of Zhejiang Province, Ningbo; 315211, China); Li, Shuxin; Sun, Chengqi; Lu, Siyuan **Source:** *Engineering Fracture Mechanics*, v 297, February 21, 2024
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Xia, Zhuofan (School of Materials Science and Engineering, University of Science and Technology of China, 72 Wenhua Road, Shenyang; 110016, China); Wu, Di; Zhang, Xiaochen; Wang, Jianqiu; Han, En-Hou **Source:** *International Journal of Fatigue*, v 179, February 2024
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Singh, Kushagra (School of Mechanical Engineering, Purdue University, West Lafayette; IN; 47907, United States); Sadeghi, Farshid **Source:** *International Journal of Mechanical Sciences*, v 264, February 15, 2024
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Zaid, Mael (Airbus Helicopters, Aéroport International Marseille Provence, Marignane; 13700, France); Doquet, Véronique; Chiaruttini, Vincent; Depouhon, Pierre; Bonnand, Vincent; Pacou, Didier **Source:** *International Journal of Fatigue*, v 182, May 2024
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Loaiza, Tania (Dept. of Materials Science and Engineering, KTH Royal Institute of Technology, Stockholm; SE 100 44, Sweden); Ooi, Steve; Babu, Revathy Rajan Prasath; Ölund, Patrik; Hedström, Peter **Source:** *ASTM Special Technical Publication*, v STP 1649, p 525-540, 2024, *Bearing and Transmission Steels Technology*
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Machino, Sasuga (University of Toyama, Gofuku, Toyama; 3190, Japan); Shinkai, Shogo; Matsueda, Takahiro; Mizobe, Koshiro; Kida, Katsuyuki **Source:** *Journal of Physics: Conference Series*, v 2845, n 1, 2024
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**91. Microstructural decay of matrix and precipitates during rolling contact fatigue in a martensitic dual-hardening bearing steel** (*Open Access*)

Loaiza, Tania (Department of Materials Science and Engineering, KTH Royal Institute of Technology, Stockholm; SE 100 44, Sweden); Ooi, Steve; Yildiz, Ahmet Bahadir; Dahlström, Alexander; Babu, R. Prasath; Hedström, Peter **Source:** *Materials and Design*, v 244, August 2024
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**92. Effect of primary carbides on rolling contact fatigue behaviors of M50 bearing steel**

Shao, Ziheng (Institute of Metal Research, Chinese Academy of Sciences, Shenyang; 110016, China); Zhu, Yankun; Zhang, Peng; Cao, Yanfei; Wang, Bin; Xu, Zikuan; Liu, Hanzhong; Gu, Xuezhong; Liu, Hongwei; Li, Dianzhong; Zhang, Zhefeng **Source:** *International Journal of Fatigue*, v 179, February 2024
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**93. Relating Rolling Contact Fatigue Life to the Microstructure Evolution in Cronidur-30 Bearing Steel**

Rejith, R. (Bearings and Space Tribology Group, ISRO, Inertial Systems Unit, Vattiyoorkavu, Trivandrum; 695013, India); Arivu, Y.; Kesavan, D.; Chakravarthy, P.; Narayana Murty, S.V.S. **Source:** *SSRN*, February 18, 2024
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Cai, Xin (Shenyang National Laboratory for Materials Science, Institute of Metal Research, Chinese Academy of Sciences, Shenyang; 110016, China); Hu, Xiaoqiang; Lu, Xingyu; Liu, Hongwei; Cao, Yanfei; Li, Dianzhong **Source:** *Journal of Materials Science and Technology*, v 169, p 243-250, January 10, 2024
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Menck, Oliver (Fraunhofer Institute for Wind Energy Systems Iwes, Am Schleusengraben 22, Hamburg; 21029, Germany); Stammler, Matthias **Source:** *Wind Energy Science*, v 9, n 4, p 777-798, April 5, 2024
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**96.** **Extended crack propagation in nitrided and carburised steels subject to rolling contact fatigue**

Lecouffe, A. (INSA Lyon, CNRS, LaMCoS, UMR5259, Villeurbanne; 69621, France); Kleber, X.; Ville, F.; Cavoret, J.; Zamponi, L.; Ruellan, A. **Source:** *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, v 238, n 12, p 1626-1632, December 2024
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**97.** **Microstructure effects on improving rolling contact fatigue by a double-quenching heat treatment process for GCr15 steel**

Zhang, Wenhu (School of Mechatronics Engineering, Henan University of Science and Technology, Luoyang; 471000, China); Li, Wanjia; Liu, He; He, Tiantian; Deng, Sier; Tian, Heng; Cao, Wenquan **Source:** *Tribology International*, v 194, June 2024
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**98.** **Rolling Contact Fatigue Life and Categorization of Failure in Experiment of Flat PEEK Race-Alumina Ball Bearings in Water Lubrication under 1700 N at 1000 rpm** (*Open Access*)

Matsubayashi, Soji (University of Toyama, Gofuku, Toyama; 3190, Japan); Kajiwara, Shuhei; Matsueda, Takahiro; Kida, Katsuyuki **Source:** *Journal of Physics: Conference Series*, v 2845, n 1, 2024
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**99.** **Peridynamic modeling of hydrogen-assisted white etching cracks in bearing steel under rolling contact fatigue** (*Open Access*)

Wang, Lanwen (Department of Mechanical Engineering, Tsinghua University, Beijing; 100084, China); Sheng, Xuanyu; Yao, Zhimeng; Luo, Jianbin **Source:** *International Journal of Fatigue*, v 173, August 2023
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**100.** **Influence of MnS inclusion characteristics on generation of white etching cracks in 100Cr6 bearing steel**

Kiranbabu, Srikakulapu (Max-Planck-Institut für Eisenforschung GmbH, Düsseldorf; 40237, Germany); Morsdorf, Lutz; Gonzalez, Ivan; Kölling, Michael; Broß, Christian; Ponge, Dirk; Herbig, Michael; Mayweg, David **Source:** *Wear*, v 534-535, December 15, 2023
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Zurcher, Manuel (Friedrich-Alexander-Universitaet Erlangen-Nuernberg (Germany)) **Source:** *ProQuest Dissertations and Theses Global*, 2024
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Chen, Jin-Hua (School of Mechanical Engineering and Mechanics, Key Laboratory of Impact and Safety Engineering of Ministry of Education Ningbo University, Ningbo, China); Xie, Chao; Li, Shu-Xin; Lu, Si-Yuan **Source:** *Fatigue and Fracture of Engineering Materials and Structures*, v 47, n 1, p 170-186, January 2024
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**103.** **Influence of additive-derived reaction layers on white etching crack failure of SAE 52100 bearing steel under rolling contact loading**

Steinweg, Florian (Institute for Materials Applications in Mechanical Engineering, RWTH Aachen University, Augustinerbach 4, Aachen; 52062, Germany); Mikitisin, Adrian; Janitzky, Thomas L.M.; Richter, Silvia; Weirich, Thomas E.; Mayer, Joachim; Broeckmann, Christoph **Source:** *Tribology International*, v 180, February 2023
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**104.** **Microstructure characteristics and formation mechanisms of white etching layer (WEL) and brown etching layer (BEL) on martensite bearing raceway** (*Open Access*)

Zhang, Xiaochen (School of Materials Science and Engineering, University of Science and Technology of China, 72 Wenhua Road, Shenyang; 110016, China); Wu, Di; Xia, Zhuofan; Zhang, Yaming; Li, Yifeng; Wang, Jianqiu; Han, En-Hou **Source:** *Journal of Materials Research and Technology*, v 25, p 4876-4887, July 1, 2023
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**105.** **Simulation study of Rayleigh wave inspection of subsurface white etching crack in bearing rollers** (*Open Access*)

Wu, Chenchen (School of Mechatronic and Automation Engineering, Shanghai University, Shanghai; 200444, China); Zhu, Qi; Su, Zhan; Xu, Duo; Zhang, Haiyan **Source:** *Journal of Physics: Conference Series*, v 2822, n 1, 2024
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**106.** **Angular contact ball bearing skidding mechanism analysis and diagnosis considering flexible rotor characteristics**

Ma, Leiming (College of Automation Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing; 210016, China); Jiang, Bin; Lu, Ningyun; Xiao, Lingfei; Guo, Qintao **Source:** *Mechanical Systems and Signal Processing*, v 207, January 15, 2024
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Peela, Agastya (Institute for Materials Applications in Mechanical Engineering (IWM), RWTH Aachen University, Augustinerbach 4, Aachen; 52062, Germany); Spille, Joshua; Steinweg, Florian; Janitzky, Thomas; Schwedt, Alexander; Mayer, Joachim; Broeckmann, Christoph **Source:** *Wear*, v 512-513, January 15, 2023
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Liu, Yuqing (State Key Laboratory of Rail Transit Vehicle System, Southwest Jiaotong University, Chengdu; 610031, China); Chen, Zaigang; Zhai, Wanming; Lei, Yaguo **Source:** *Mechanical Systems and Signal Processing*, v 206, January 1, 2024
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**109.** **Investigation on Skidding Characteristics and Dynamic Responses of Rolling Element Bearing Under Thermal Elastohyrodynamic Lubrication**

Kang, Jianxiong (Lanzhou University of Technology, School of Mechanical & Electrical Engineering, Lanzhou; 730050, China); Luo, Wei; Yan, Changfeng; Liu, Yaofeng; Lü, Yanjun; Wu, Lixiao **Source:** *SSRN*, November 8, 2023
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**110.** **Study of Skidding and Friction Torque for a Deep Groove Ball Bearing in a Permanent Magnet Synchronous Motor**

Xu, Yajun (School of Marine Science and Technology, Northwestern Polytechnical University, Xi'an, China); Li, Xinbin; Liu, Jing **Source:** *Lecture Notes in Mechanical Engineering*, p 1797-1806, 2024, *Proceedings of the 2nd International Conference on Mechanical System Dynamics - ICMSD 2023*
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Zhao, Yuhao (State Key Laboratory for Manufacturing and Systems Engineering, Xi'an Jiaotong University, Xi'an; 710049, China); Ma, Zikui; Zi, Yanyang **Source:** *Friction*, v 11, n 11, p 1987-2007, November 2023
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**112.** **Effect of dented residual stress on the surface-defect-induced pitting under rolling contact loading of M50 bearing steel**

Li, Wanjia (School of Mechatronics Engineering, Harbin Institute of Technology, Heilongjiang, Harbin; 150001, China); Meng, Xiangxu; Shu, Kun; Zheng, Dezhi; Wang, Tingjian; Gu, Le; Wang, Liqin; Zhang, Chuanwei **Source:** *Tribology International*, v 194, June 2024
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**113.** **Influence of White Etching Bands Formation on Integrity of Rolling Element Bearings** (*Open Access*)

El Laithy, Mostafa (National Center for Advanced Tribology at Southampton (nCATS), University of Southampton, University Road, Southampton; SO17 1BJ, United Kingdom); Wang, Ling; Harvey, Terry J.; Vierneusel, Bernd **Source:** *Tribology Online*, v 18, n 6, p 373-384, October 31, 2023
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**114.** **Experimental research on heat treatment process and performance of GCr15 steel bearing ring for new energy vehicle drive motor**

Yang, Jianxi (College of Sino-German, Taizhou Vocational & Technical College, Zhejiang, Taizhou; 318000, China); Lin, Haibo; Zhang, Hongwei **Source:** *Proceedings of SPIE - The International Society for Optical Engineering*, v 12983, 2024, *Second International Conference on Electrical, Electronics, and Information Engineering, EEIE 2023*
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**115.** **A nonlinear dynamic analysis of skidding behavior in rolling bearings using lubricant traction coefficients and cage flexibility**

Atef, Mahmoud M. (Industrial and Manufacturing Engineering Department, School of Innovative Design Engineering, Egypt-Japan University of Science and Technology, New Borg El-Arab City; 21934, Egypt); Khair-Eldeen, Wael; Yan, Jiwang; Nassef, Mohamed G.A. **Source:** *Tribology International*, v 197, September 2024
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**116.** **A study on the three key concepts of White Etching Crack failure mode in its very early stages - Contrast with different testing methods** (*Open Access*)

López-Uruñuela, Fernando José (Tekniker, Basque Research and Technology Alliance (BRTA), C/ Iñaki Goenaga, 5, Eibar; 20600, Spain); Wang, Ling; Fernández, Beatriz; Aguirrebeitia, Josu; Pinedo, Bihotz **Source:** *Wear*, v 530-531, October 15, 2023
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**117.** **Characteristics of vibration response of ball bearing with local defect considering skidding**

Tian, Yu (School of Mechanical and Electrical Engineering, Lanzhou University of Technology, Lanzhou; 730050, China); Yan, Changfeng; Liu, Yaofeng; Luo, Wei; Kang, Jianxiong; Wang, Zonggang; Wu, Lixiao **Source:** *Journal of Mechanical Science and Technology*, v 37, n 11, p 5695-5711, November 2023
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**118.** **Measurement of Internal Residual Stress of Three-Directional Components and Estimation of Inherent Strain in Carburized Steel for Large Rolling Bearings by Combining the Contour Method and XRD Method** (*Open Access*)

Tsutsumi, Masako (Core Technology R&D Center, NSK Ltd., Fujisawa; 251-8501, Japan); Yamagami, Shota; Narasaki, Kunio; Watanuki, Daisuke; Miyamoto, Yuji; Ma, Ninshu **Source:** *Materials Transactions*, v 65, n 9, p 1099-1107, September 1, 2024
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**119.** **Skidding behavior of lubricated rolling element bearings under the influence of oil film and radial clearances** (*Open Access*)

Xu, Minmin (School of Mechanical Engineering, Guangxi University, Nanning; 530004, China); Wang, Mingchun; He, Dong; Ding, Xiaoxi; Shao, Yimin; Gu, Fengshou **Source:** *Tribology International*, v 194, June 2024
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**120.** **Roller Bearing Skidding for Aero-Engine Applications: All-Steel Versus Hybrid Bearings**

Dadouche, Azzedine (Aerospace Research Centre, National Research Council of Canada, Ottawa; ON; K1A 0R6, Canada); Kerrouche, Rami **Source:** *Journal of Engineering for Gas Turbines and Power*, v 145, n 1, February 1, 2023
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**121.** **Dynamic, thermal, and vibrational analysis of ball bearings with over-skidding behavior** (*Open Access*)

Gao, Shuai (Department of Mechanical Engineering, Politecnico di Milano, Via G. La Masa 1, Milan; 20156, Italy); Han, Qinkai; Pennacchi, Paolo; Chatterton, Steven; Chu, Fulei **Source:** *Friction*, v 11, n 4, p 580-601, April 2023
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**122.** **Thoughts on a standardized FE-8 Test for the assessment of the WEC-carrying capacity of lubricants in rolling bearings**

Leimann, Dirk-Olaf (Düsseldorfer Straße 4, Moers; 47441, Germany) **Source:** *Tribologie und Schmierungstechnik*, v 71, n 3, p 32-39, 2024
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**123.** **The effect of current and lambda on white-etch-crack failures** (*Open Access*)

Demas, Nicholaos G. (Argonne National Laboratory, United States); Lorenzo-Martin, Cinta; Luna, Ryan; Erck, Robert A.; Greco, Aaron C. **Source:** *Tribology International*, v 189, November 2023
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