Use Cases				Components																Faults															Data Utilized							
Source	Link	Author	Year	Servo motor	Asynchronous motor	Gear	Retaining tool	Toothed gear	gear touch	Bearing	Rolling contact bearing	Tapered roller bearing	Angular ball bearing	Cylindrical roller bearing	Shaft	Rotor	Stator	Cable	Encoder	Short circuit	Asymmetry	Overheating	Pitting	Spalling	Fretting	Misaligning	Wear	Corrosion	Breakage	Cracking	Bending	Unidentified bearing faults	Backlash	Acoustic emitter	Acoustic measurement	Motor current	Temperature	Oil and gas	Electric data	Axis positions	Angle and velocity
Management and Innovation of Robot in Automobile Production Line	https://doi.org/10.1051/7278-981-13-6738-_1	Chang et al.	2020	1		1										1	1	1																									
Observations on developing reliability information utilization in a manufacturing environment with case study: robotic arm manipulators	https://doi.org/10.1007/s00202-018-0592-y	Sharp	2019																																	1	1				1
Failure Rate Prediction and Reliability Assessment of RV Reducer	https://doi.org/10.1155/2017/6482317.pdf?id=6302118	Bai et al.	2019			1																																			
High-Accuracy Unsupervised Fault Detection of Industrial Robots Using Current Signal Analysis	https://doi.org/10.1109/ICPHM.2019.8819573	Cheng et al.	2019			1																														1					
Experimental study on the life prediction of servo motors through model-based system degradation assessment and accelerated degradation testing	https://doi.org/10.1007/s00202-018-1007-z	Park et al.	2018	1																																1					
Robot Condition Monitoring and Production Simulation	https://portal.ltu.se/search/search-results-on-ltu-disa-66024	Karlsson M. & F.	2018			1		1		1				1										1			1							1								
Machine health management in smart factory: A review	https://doi.org/10.1007/s12541-018-0301-1	G.-Y. Lee et al.	2018	1		1				1					1																										
Contact Force Analysis of RV Reducer	https://doi.org/10.1155/2018/8192454	D. Zeng et al.	2018			1		1																																	
Drivetrain, Gearbox, Fault Diagnosis	https://doi.org/10.1109/SDMIS.2017.7940607	Jin et al.	2018			1				1																								1		1					
Study on Robotic Failures in Automotive Painting Line	https://www.researchgate.net/profile/Majid-Fuddin-Zaman/publication/260172223_Study_on_Robotic_Failures_in_Automotive_Painting_Line/links/0c96053a0a4a0a2f000000/download	Majid & Fuddin	2017	1																		1																			
Remaining Useful Life Prediction of Bearing with Vibration Signals Based on a Novel Indicator	https://doi.org/10.1155/2017/7397270	Wu et al.	2017							1														1																	
Design of an intelligent embedded system for condition monitoring of an industrial robot	https://doi.org/10.1007/978-3-319-44917-2_1	A. A. Jaber	2017	1		1				1										1	1	1	1		1		1		1	1			1	1	1	1					
Robot Condition Monitoring – A first step in Condition Monitoring for robotic application	https://portal.ltu.se/search/search-results-on-ltu-disa-66011	Danielsson & von Schmuck	2017			1				1		1												1			1	1		1				1	1					1	
Research on Condition Monitoring of Speed Reducer of Industrial Robot with Acoustic Emission	https://www.researchgate.net/publication/260044405_Research_on_Condition_Monitoring_of_Speed_Reducer_of_Industrial_Robot_with_Acoustic_Emission	Liu et al.	2016			1				1				1																											
Fault Diagnosis of Industrial Robot Bearings on Discrete Wavelet Transform and Artificial Neural Network	https://www.researchgate.net/publication/279279214_Fault_Diagnosis_of_Industrial_Robot_Bearings_on_Discrete_Wavelet_Transform_and_Artificial_Neural_Network	A. Jaber & Bicker	2016	1		1																												1							
A review of physics-based models in prognostics: Application to gears and bearings of rotating machinery	https://doi.org/10.1177/1687814017705069	Cubillo et al.	2016						1	1													1	1	1					1											
Prognostics and health management for rotary machiner systems – Reviews, methodology and applications	https://doi.org/10.1016/j.ymssp.2013.06.004	J. Lee et al.	2016	1		1												1	1																						
Modeling and Diagnosis of Friction and Wear in Industrial Robots	ISBN 978-91-7519-251-2	Bittencourt et al.	2016	1		1																					1						1							1	
Characterization and experimental evaluation of gear transmission error in an industrial robot	https://doi.org/10.1016/j.ymssp.2012.08.027	Slamani & Bonev	2013			1																					1						1								
Condition Monitoring and Diagnosis of Rotor Faults in Induction Machines: State of Art and Future Perspectives	10.1109/WDS0.2013.6525180	F. Filippetti et al.	2013	1						1						1	1			1	1															1					
Modeling and Identification of Wear in a Robot Joint under Temperature Uncertainties	https://doi.org/10.1109/ICRA.2011.5979618-_-_-_

Detection of rotor faults in brushless DC motors operating under nonstationary conditions	10.1109/TIA.2006.882613	Rajagopalan et al. 2006	2006	1												1					1																				
Fault diagnosis in industry using sensor readings and case-based reasoning	https://doi.org/10.1016/S0167-8655(98)00065-4	Olsson et al.	2008			1								1																			1								
On the fault detection and isolation of industrial robot manipulators	https://doi.org/10.1016/j.ifacol.2017.08.1274	Cecare Fantuzzi	2008	1		1													1	1																					
Maschinenelemente – Band 2: Band 2: Getriebe allgemein, Zahnradgetriebe — Grundlagen, Stirnradgetriebe	https://doi.org/10.1007/978-3-658-03974-4	Niemann et al.	2008						1													1	1	1	1	1		1	1												
Reliability improvement of industrial robots by optimizing operation plans based on deterioration evaluation	10.1016/S0921-8890(97)00-268-X	Yamada & Takata	2002						1																	1															
Root cause AC motor failure analysis with a focus on shaft failures	https://doi.org/10.1109/TEC.2008.2001284	Bonnett	2008	1						1					1							1	1					1													
Intelligent joint Fault Diagnosis of Industrial Robots	https://doi.org/10.1007/978-3-642-37128-2_6	Pan et al.	1998			1																				1						1	1								
KNOWLEDGE BASED INCIPIENT FAULT DIAGNOSIS OF INDUSTRIAL ROBOTS	https://www.researchgate.net/publication/266448448_KNOWLEDGE-BASED-INCIPIENT-FAULT-DIAGNOSIS-OF-INDUSTRIAL-ROBOTS/links/54b0b0ad0cf6a0a0d0f754374/KNOWLEDGE-BASED-INCIPIENT-FAULT-DIAGNOSIS-OF-INDUSTRIAL-ROBOTS.html	Freyermuth	1992	1		1													1						1										1							
Condition Indicators for Gearbox Condition Monitoring Systems	https://doi.org/10.3390/app6100282	Vecer, Kreidl, Šeinit	2005			1																				1							1								
Application of ANN, Fuzzy Logic and Wavelet Transform in machine fault diagnosis using vibration signal analysis	www.emerald-insight.com/doi/10.1108/03684921011036062	Jayswal, Ve	2010										1																				1								
Detection of common motor bearing faults using frequency-domain vibration signals and a neural-network based approach	https://doi.org/10.1109/MSC.1998.705488	Li, Goddu, Chow	1998							1	1																					1	1	1								
ENVELOPE ANALYSIS - A SIGNAL ANALYSIS TECHNIQUE FOR EARLY DETECTION AND ISOLATION OF MACHINE FAULTS	https://doi.org/10.1016/S0167-8655(97)00-152-4	Gerspo	1997			1					1									1												1									
Analysis and comparison of multiple features for fault detection and prognostic in ball bearings	https://ieeexplore.ieee.org/document/7010672/metrics#citation	Nguyen et al	2018		1					1																						1		1		1						
The infogram: Entropic evidence of the signature of repetitive transients	https://doi.org/10.1016/j.ymssp.2015.04.034	Antoni	2015			1					1																					1		1								
Application of empirical mode decomposition and artificial neural network for automatic bearing fault diagnosis based on vibration signals	https://doi.org/10.1016/j.apm.2014.08.019	Ben Ali et al.	2014								1															17						1		1								
Data-Driven Gearbox Failure Detection in Industrial Robots	https://doi.org/10.1109/TII.2019.2938795	Vallachira et	2020			1																																	1		
Machine fault feature extraction based on intrinsic mode functions	doi:10.1088/0957-0233/19/4/045105	Fan, Zuo	2008			1				1													1					1				1		1								
Development of Fault Detection System for Ball Bearing of Induction Motor Using Vibration Signal	http://ijaseas.org.pk/index.php/ijaseas/article/view/1/88	Shrivastava	2016				1			1																						1		1								
DETECTION OF BEARING FAULT USING VIBRATION ANALYSIS AND CONTROLLING THE VIBRATIONS	https://www.researchgate.net/publication/282416962_DETECTION_OF_BEARING_FAULT_USING_VIBRATION_ANALYSIS_AND_CONTROLLING_THE_VIBRATIO	Prasad, Ram	2015									1								1											1	1	1	1								
A Time-Distributed Spatiotemporal Feature Learning Method for Machine Health Monitoring with Multi-Sensor Time Series	https://www.researchgate.net/publication/324257329_A_Time-Distributed_Spatio-Temporal_Feature_Learning_Method_for_Machine_Health_Monitoring_with_Multi-Sensor_Time_Series/links/5b0d1f0a0f7e9b5a9f0d0a0a/A-Time-Distributed-Spatio-Temporal-Feature-Learning-Method-for-Machine-Health-Monitoring-with-Multi-Sensor-Time-Series.pdf	Glass et al.	2018			1	1																					1	1			1		1								
Robot fault detection and remaining life estimation for predictive maintenance	https://doi.org/10.1016/j.ifacol.2019.04.066	Pinto, Carpu	2019																1	1																			1		
Bearing life prognosis based on monotonic feature selection and similarity modeling	https://doi.org/10.1109/ICCSE.2016.7581922	Niu, Qian, Zi	2016							1																						1		1								
A novel wrapper method for feature selection and its applications	https://doi.org/10.1016/j.neunet.2011.09.019	Chen, Chen	2011								1																					1		1								
Bearing Fault Detection by a Novel Condition-Monitoring Scheme Based on Statistical-Time Features and Neural Networks	https://doi.org/10.1109/TIE.2013.2288209	Prieto et al.	2013								1																					1		1								
Multi-fault detection and failure analysis of wind turbine gearbox using complex wavelet transform	https://doi.org/10.1016/j.ymssp.2016.08.016	Tang et al.	2016			1				1					1							1						1	1	1											
Morphological undecimated wavelet decomposition for fault diagnostics of rolling element bearings	https://doi.org/10.1016/j.ymssp.2008.03.014	Hao, Chu	2008							1																						1		1								

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