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## A Cyber-Physical System for Girder Hoisting Monitoring Based on Smartphones

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#	Paper	IF	Citations
26	Direction-sensitive smart monitoring of structures using heterogeneous smartphone sensor data and coordinate system transformation. <i>Smart Materials and Structures</i> , <b>2017</b> , 26, 045026	3.4	25
25	Distributed Displacement Response Investigation Technique for Bridge Structures Using Smartphones. <i>Journal of Performance of Constructed Facilities</i> , <b>2017</b> , 31, 04017029	2	8
24	Applications of Cyber-Physical System: A Literature Review. <i>Journal of Industrial Integration and Management</i> , <b>2017</b> , 02, 1750012	7.8	54
23	Biomechanically influenced mobile and participatory pedestrian data for bridge monitoring. <i>International Journal of Distributed Sensor Networks</i> , <b>2017</b> , 13, 155014771770524	1.7	15
22	Hybrid motion sensing and experimental modal analysis using collocated smartphone camera and accelerometers. <i>Measurement Science and Technology</i> , <b>2017</b> , 28, 105903	2	16
21	Cyber Physical System (CPS)-Based Industry 4.0: A Survey. <i>Journal of Industrial Integration and Management</i> , <b>2017</b> , 02, 1750014	7.8	84
20	Elevator ride comfort monitoring and evaluation using smartphones. <i>Mechanical Systems and Signal Processing</i> , <b>2018</b> , 105, 377-390	7.8	12
19	Urban infrastructure safety system based on mobile crowdsensing. <i>International Journal of Disaster Risk Reduction</i> , <b>2018</b> , 27, 427-438	4.5	13
18	Sensor Information Fusion by Integrated AI to Control Public Emotion in a Cyber-Physical Environment. <i>Sensors</i> , <b>2018</b> , 18,	3.8	5
17	Real-time locating systems and safety in construction sites: A literature review. <i>Safety Science</i> , <b>2019</b> , 117, 229-242	5.8	39
16	An overview of smartphone technology for citizen-centered, real-time and scalable civil infrastructure monitoring. <i>Future Generation Computer Systems</i> , <b>2019</b> , 93, 651-672	7.5	41
15	Bolt loosening angle detection technology using deep learning. <i>Structural Control and Health Monitoring</i> , <b>2019</b> , 26, e2292	4.5	39
14	Data Driven Cyber-Physical System for Landslide Detection. <i>Mobile Networks and Applications</i> , <b>2019</b> , 24, 991-1002	2.9	32
13	Cyber physical system for safety management in smart construction site. <i>Engineering, Construction and Architectural Management</i> , <b>2020</b> , 28, 788-808	3.1	17
12	Structural health monitoring. <b>2020</b> , 345-367		3
11	Health monitoring of bridges. <b>2020</b> , 369-389		3
10	Shaking table tests for evaluating the damage features under earthquake excitations using smartphones. <b>2018</b> ,		1

9	Audio-based bolt-loosening detection technique of bolt joint. <b>2018</b> ,		2
8	Shaking Table Tests and Validation of Multi-Modal Sensing and Damage Detection Using Smartphones. <i>Buildings</i> , <b>2021</b> , 11, 477	3.2	3
7	Research on multi-parameter monitoring of steel frame shaking-table test using smartphone. <b>2017</b> ,		
6	Smartphone-Based Automated Non-Destructive Testing Devices. <i>Pribory I Metody Izmerenij</i> , <b>2020</b> , 11, 272-278	0.4	1
5	Cyber-Physical Systems and Smart Cities in India: Opportunities, Issues, and Challenges. <i>Sensors</i> , <b>2021</b> , 21,	3.8	1
4	A two-step computer vision-based framework for bolt loosening detection and its implementation on a smartphone application. <i>Structural Health Monitoring</i> , 147592172110499	4.4	1
3	Simulation of Smartphone-Based Public Participation in Earthquake Structural Response Emergency Monitoring Using a Virtual Experiment and AI. <i>Buildings</i> , <b>2022</b> , 12, 492	3.2	2
2	Dynamic Characteristic Monitoring of Wind Turbine Structure Using Smartphone and Optical Flow Method. <b>2022</b> , 12, 2021		0
1	Time-frequency fusion features-based incremental network for smartphone measured structural seismic response classification. <b>2023</b> , 278, 115575		0