

# Eko Supriyanto

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52  
papers

757  
citations

15  
h-index

26  
g-index

65  
ext. papers

934  
ext. citations

3.7  
avg, IF

4.06  
L-index

#	Paper	IF	Citations
52	Regulated Monosyllabic Talk Test vs. Counting Talk Test During Incremental Cardiorespiratory Exercise: Determining the Implications of the Utterance Rate on Exercise Intensity Estimation.. <i>Frontiers in Physiology</i> , <b>2022</b> , 13, 832647	4.6	
51	A high-density 256-channel cap for dry electroencephalography. <i>Human Brain Mapping</i> , <b>2021</b> ,	5.9	4
50	Sustainability Performance Assessment Using Self-Organizing Maps (SOM) and Classification and Ensembles of Regression Trees (CART). <i>Sustainability</i> , <b>2021</b> , 13, 3870	3.6	1
49	A literature review on beneficial role of vitamins and trace elements: Evidence from published clinical studies. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2021</b> , 67, 126789	4.1	6
48	Pareto optimization for electrodes placement: compromises between electrophysiological and practical aspects. <i>Medical and Biological Engineering and Computing</i> , <b>2021</b> , 59, 431-447	3.1	0
47	Sensation thresholds in electrocutaneous stimulation. <i>Current Directions in Biomedical Engineering</i> , <b>2020</b> , 6, 372-375	0.5	
46	Blood compatibility assessments of electrospun polyurethane nanocomposites blended with megni oil for tissue engineering applications. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2019</b> , 91, e20190018	1.4	3
45	Stroke management cost: Review in Indonesia, Malaysia and Singapore <b>2019</b> ,		4
44	Production, blood compatibility and cytotoxicity evaluation of a single stage non-woven multicomponent electrospun scaffold mixed with sesame oil, honey and propolis for skin tissue engineering. <i>International Journal of Polymer Analysis and Characterization</i> , <b>2019</b> , 24, 457-474	1.7	10
43	Predicting Down syndrome and neural tube defects using basic risk factors. <i>Medical and Biological Engineering and Computing</i> , <b>2019</b> , 57, 1417-1424	3.1	2
42	Enriched Mechanical Strength and Bone Mineralisation of Electrospun Biomimetic Scaffold Laden with Ylang Ylang Oil and Zinc Nitrate for Bone Tissue Engineering. <i>Polymers</i> , <b>2019</b> , 11,	4.5	10
41	Advanced nanofibrous textile-based dressing material for treating chronic wounds. <i>Bulletin of Materials Science</i> , <b>2018</b> , 41, 1	1.7	12
40	Effects of incremental cardiorespiratory exercise on the speech rate and the estimated exercise intensity using the counting talk test. <i>Journal of Physical Therapy Science</i> , <b>2018</b> , 30, 933-937	1	0
39	Towards Robot-Assisted Echocardiographic Monitoring in Catheterization Laboratories : Usability-Centered Manipulator for Transesophageal Echocardiography. <i>Journal of Medical Systems</i> , <b>2017</b> , 41, 148	5.1	1
38	Fabrication and characterization of chitosan nanoparticles and collagen-loaded polyurethane nanocomposite membrane coated with heparin for atrial septal defect (ASD) closure. <i>3 Biotech</i> , <b>2017</b> , 7, 174	2.8	5
37	Engineered electrospun polyurethane and castor oil nanocomposite scaffolds for cardiovascular applications. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 10673-10685	4.3	29
36	Hemocompatibility of Sulfuric Acid-Treated Metallocene Polyethylene and its Application in Reducing the Quantity of Medical Plastic Waste. <i>Polymer-Plastics Technology and Engineering</i> , <b>2017</b> , 56, 240-253		1

35	The development of an online pneumonia risk prediction system <b>2017</b> ,		2
34	Principal vibration modes of a rigid-flexible manipulator <b>2017</b> ,		1
33	Cervicare induces apoptosis in HeLa and CaSki cells through ROS production and loss of mitochondrial membrane potential. <i>RSC Advances</i> , <b>2016</b> , 6, 24391-24417	3.7	10
32	Evidence regarding patient compliance with incentive spirometry interventions after cardiac, thoracic and abdominal surgeries: A systematic literature review. <i>Canadian Journal of Respiratory Therapy</i> , <b>2016</b> , 52, 17-26	1.8	8
31	Gallic acid induced apoptotic events in HCT-15 colon cancer cells. <i>World Journal of Gastroenterology</i> , <b>2016</b> , 22, 3952-61	5.6	46
30	Antioxidant Activity and ROS-Dependent Apoptotic Effect of <i>Scurrula ferruginea</i> (Jack) Danser Methanol Extract in Human Breast Cancer Cell MDA-MB-231. <i>PLoS ONE</i> , <b>2016</b> , 11, e0158942	3.7	27
29	New Vertical Handover Method to Optimize Utilization of Wireless Local Area Network in High-Speed Environment. <i>PLoS ONE</i> , <b>2016</b> , 11, e0165888	3.7	3
28	Honey and its Phytochemicals: Plausible Agents in Combating Colon Cancer through its Diversified Actions. <i>Journal of Food Biochemistry</i> , <b>2016</b> , 40, 613-629	3.3	11
27	Novel green surface modification of metallocene polyethylene by steam to enhance its hemocompatible properties. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a	2.9	1
26	An insight on electrospun-nanofibers-inspired modern drug delivery system in the treatment of deadly cancers. <i>RSC Advances</i> , <b>2015</b> , 5, 57984-58004	3.7	72
25	Role of OpenEHR as an open source solution for the regional modelling of patient data in obstetrics. <i>Journal of Biomedical Informatics</i> , <b>2015</b> , 55, 174-87	10.2	28
24	Gallic acid: prospects and molecular mechanisms of its anticancer activity. <i>RSC Advances</i> , <b>2015</b> , 5, 35608-35621	3.7	55
23	Overview on in vitro and in vivo investigations of nanocomposite based cancer diagnosis and therapeutics. <i>RSC Advances</i> , <b>2015</b> , 5, 72638-72652	3.7	16
22	Biomaterials based nano-applications of Aloe vera and its perspective: a review. <i>RSC Advances</i> , <b>2015</b> , 5, 86199-86213	3.7	35
21	Prospects of common biomolecules as coating substances for polymeric biomaterials. <i>RSC Advances</i> , <b>2015</b> , 5, 69660-69679	3.7	18
20	Tangible nanocomposites with diverse properties for heart valve application. <i>Science and Technology of Advanced Materials</i> , <b>2015</b> , 16, 033504	7.1	10
19	Review: Radiation-induced surface modification of polymers for biomaterial application. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 2007-2018	4.3	49
18	Design, simulation, and kinematic analysis of a manipulator-based 3D position tracking system <b>2015</b> ,		1

17	Microwave-assisted fibrous decoration of mPE surface utilizing Aloe vera extract for tissue engineering applications. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 5909-23	7.3	8
16	Multifaceted prospects of nanocomposites for cardiovascular grafts and stents. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 2785-803	7.3	16
15	Manipulator-based Position Tracking System for Freehand 3D Ultrasound Imaging : IMU Sensor Analysis and Experiment. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , <b>2015</b> , 2015.6, 108-109		
14	Design and implementation of a telehealth platform for prenatal management in rural and remote areas <b>2014</b> ,		3
13	Evaluation of selected honey and one of its phenolic constituent eugenol against L1210 lymphoid leukemia. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 912051	2.2	5
12	Enhanced blood compatibility of metallocene polyethylene subjected to hydrochloric acid treatment for cardiovascular implants. <i>BioMed Research International</i> , <b>2014</b> , 2014, 963149	3	9
11	Preclinical and clinical effects of mistletoe against breast cancer. <i>BioMed Research International</i> , <b>2014</b> , 2014, 785479	3	54
10	Role of pomegranate and citrus fruit juices in colon cancer prevention. <i>World Journal of Gastroenterology</i> , <b>2014</b> , 20, 4618-25	5.6	46
9	Effects of excitation coil configurations in magnetorelaxometry imaging of magnetic nanoparticles <b>2014</b> ,		1
8	Biomaterials in cardiovascular research: applications and clinical implications. <i>BioMed Research International</i> , <b>2014</b> , 2014, 459465	3	76
7	Application of Mobile Cloud Computing in Care pathways <b>2014</b> ,		2
6	Chemopreventive effect of apple and berry fruits against colon cancer. <i>World Journal of Gastroenterology</i> , <b>2014</b> , 20, 17029-36	5.6	34
5	Cervix Detection Using Squared Error Subtraction <b>2012</b> ,		3
4	Comparison studies of 2D and 3D ultrasound biparietal diameter for gestational age estimation <b>2011</b> ,		2
3	Cross layer design of wireless LAN based on H.264/SVC and IEEE 802.11e <b>2011</b> ,		3
2	Wireless Medical Interface Using ZigBee and Bluetooth Technology <b>2009</b> ,		10
1	Evaluation of Factors to Respond to the COVID-19 Pandemic Using DEMATEL and Fuzzy Rule-Based Techniques. <i>International Journal of Fuzzy Systems</i> ,1	3.6	2