

Emmanuel Roussakis

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,258
citations

643344

15
h-index

651938

25
g-index

25
all docs

25
docs citations

25
times ranked

3818
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct measurement of local oxygen concentration in the bone marrow of live animals. <i>Nature</i> , 2014, 508, 269-273.	13.7	933
2	Two-photon high-resolution measurement of partial pressure of oxygen in cerebral vasculature and tissue. <i>Nature Methods</i> , 2010, 7, 755-759.	9.0	415
3	Simultaneous two-photon imaging of oxygen and blood flow in deep cerebral vessels. <i>Nature Medicine</i> , 2011, 17, 893-898.	15.2	236
4	“Overshoot” of O_2 Is Required to Maintain Baseline Tissue Oxygenation at Locations Distal to Blood Vessels. <i>Journal of Neuroscience</i> , 2011, 31, 13676-13681.	1.7	175
5	Oxygen Sensing Methods in Biomedicine from the Macroscale to the Microscale. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8340-8362.	7.2	145
6	Non-invasive transdermal two-dimensional mapping of cutaneous oxygenation with a rapid-drying liquid bandage. <i>Biomedical Optics Express</i> , 2014, 5, 3748.	1.5	66
7	Bright, “Clickable” Porphyrins for the Visualization of Oxygenation under Ambient Light. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14728-14731.	7.2	34
8	Two-Photon Microscopy of Oxygen: Polymersomes as Probe Carrier Vehicles. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14373-14382.	1.2	24
9	Wearable device for remote monitoring of transcutaneous tissue oxygenation. <i>Biomedical Optics Express</i> , 2020, 11, 6989.	1.5	24
10	Systemically Administered Hemostatic Nanoparticles for Identification and Treatment of Internal Bleeding. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2563-2576.	2.6	21
11	Synthesis and photophysical properties of a fluorescent TREN-type ligand incorporating the coumarin chromophore and its zinc complex. <i>Tetrahedron Letters</i> , 2005, 46, 4193-4196.	0.7	19
12	A paintable phosphorescent bandage for postoperative tissue oxygen assessment in DIEP flap reconstruction. <i>Science Advances</i> , 2020, 6, .	4.7	19
13	Theranostic biocomposite scaffold membrane. <i>Biomaterials</i> , 2019, 212, 17-27.	5.7	18
14	Oxygen-Sensing Paint-On Bandage: Calibration of a Novel Approach in Tissue Perfusion Assessment. <i>Plastic and Reconstructive Surgery</i> , 2017, 140, 89-96.	0.7	15
15	Portable Oxygen-Sensing Device for the Improved Assessment of Compartment Syndrome and other Hypoxia-Related Conditions. <i>ACS Sensors</i> , 2021, 6, 43-53.	4.0	15
16	A Patient-Ready Wearable Transcutaneous CO ₂ Sensor. <i>Biosensors</i> , 2022, 12, 333.	2.3	15
17	Humidity-insensitive Tissue Oxygen Tension Sensing for Wearable Devices. <i>Photochemistry and Photobiology</i> , 2020, 96, 373-379.	1.3	13
18	Optimization of bright, highly flexible, and humidity insensitive porphyrin-based oxygen-sensing materials. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7555-7567.	2.7	12

#	ARTICLE	IF	CITATIONS
19	Wireless Wearable Sensor Paired With Machine Learning for the Quantification of Tissue Oxygenation. IEEE Internet of Things Journal, 2021, 8, 17557-17567.	5.5	10
20	Assessment of Glial Fibrillary Acidic Protein Binding to the Surface of Leukocytes with Dark-Field Imaging and Computational Analysis. Advanced Functional Materials, 2021, 31, 2009229.	7.8	9
21	Functional Imaging of Cerebral Oxygenation with Intrinsic Optical Contrast and Phosphorescent Probes. Neuromethods, 2014, , 225-253.	0.2	9
22	Quantitative Luminescence Photography of a Swellable Hydrogel Dressing with a Traffic-Light Response to Oxygen. Advanced Healthcare Materials, 2022, 11, e2101605.	3.9	6