

Sergey Shleev

List of Publications by Year in descending order

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130
papers

7,712
citations

50566

48
h-index

62345

84
g-index

135
all docs

135
docs citations

135
times ranked

6193
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct electron transfer between copper-containing proteins and electrodes. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2517-2554.	5.3	568
2	Laccase-mediator systems and their applications: A review. <i>Applied Biochemistry and Microbiology</i> , 2007, 43, 523-535.	0.3	454
3	â€œBlueâ€laccases. <i>Biochemistry (Moscow)</i> , 2007, 72, 1136-1150.	0.7	318
4	Direct electron transfer based enzymatic fuel cells. <i>Electrochimica Acta</i> , 2012, 82, 191-202.	2.6	222
5	Direct electron transfer reactions of laccases from different origins on carbon electrodes. <i>Bioelectrochemistry</i> , 2005, 67, 115-124.	2.4	212
6	Biofuel cell as a power source for electronic contact lenses. <i>Biosensors and Bioelectronics</i> , 2012, 37, 38-45.	5.3	190
7	Comparison of physico-chemical characteristics of four laccases from different basidiomycetes. <i>Biochimie</i> , 2004, 86, 693-703.	1.3	188
8	Gold Nanoparticles as Electronic Bridges for Laccase-Based Biocathodes. <i>Journal of the American Chemical Society</i> , 2012, 134, 17212-17220.	6.6	180
9	Challenges for successful implantation of biofuel cells. <i>Bioelectrochemistry</i> , 2018, 124, 57-72.	2.4	171
10	Mediatorless sugar/oxygen enzymatic fuel cells based on gold nanoparticle-modified electrodes. <i>Biosensors and Bioelectronics</i> , 2012, 31, 219-225.	5.3	159
11	Electrochemical redox transformations of T1 and T2 copper sites in native <i>Trametes hirsuta</i> laccase at gold electrode. <i>Biochemical Journal</i> , 2005, 385, 745-754.	1.7	155
12	Laccase electrode for direct electrocatalytic reduction of O ₂ to H ₂ O with high-operational stability and resistance to chloride inhibition. <i>Biosensors and Bioelectronics</i> , 2008, 24, 531-537.	5.3	151
13	Miniature Biofuel Cell as a Potential Power Source for Glucose-Sensing Contact Lenses. <i>Analytical Chemistry</i> , 2013, 85, 6342-6348.	3.2	151
14	Direct electron transfer from graphite and functionalized gold electrodes to T1 and T2/T3 copper centers of bilirubin oxidase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 1364-1369.	0.5	140
15	Laccase-catalyzed synthesis of conducting polyaniline. <i>Enzyme and Microbial Technology</i> , 2003, 33, 556-564.	1.6	135
16	Redox potentials of the blue copper sites of bilirubin oxidases. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 1634-1641.	0.5	132
17	Direct Electron Transfer Between Ligninolytic Redox Enzymes and Electrodes. <i>Electroanalysis</i> , 2004, 16, 1074-1092.	1.5	131
18	Direct heterogeneous electron transfer reactions of bilirubin oxidase at a spectrographic graphite electrode. <i>Electrochemistry Communications</i> , 2004, 6, 934-939.	2.3	126

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19	A membrane-, mediator-, cofactor-less glucose/oxygen biofuel cell. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 6093.	1.3	118
20	Tear Based Bioelectronics. <i>Electroanalysis</i> , 2016, 28, 1250-1266.	1.5	107
21	In Vitro Evolution of a Fungal Laccase in High Concentrations of Organic Cosolvents. <i>Chemistry and Biology</i> , 2007, 14, 1052-1064.	6.2	104
22	Direct heterogeneous electron transfer reactions of fungal laccases at bare and thiol-modified gold electrodes. <i>Electrochemistry Communications</i> , 2006, 8, 747-753.	2.3	97
23	Increasing Redox Potential, Redox Mediator Activity, and Stability in a Fungal Laccase by Computer-Guided Mutagenesis and Directed Evolution. <i>ACS Catalysis</i> , 2019, 9, 4561-4572.	5.5	96
24	High Redox Potential Cathode Based on Laccase Covalently Attached to Gold Electrode. <i>Journal of Physical Chemistry C</i> , 2011, 115, 13420-13428.	1.5	92
25	Direct Heterogeneous Electron Transfer Reactions of <i>Trametes hirsuta</i> Laccase at Bare and Thiol-Modified Gold Electrodes. <i>Electroanalysis</i> , 2006, 18, 1901-1908.	1.5	88
26	Self-Charging Electrochemical Biocapacitor. <i>ChemElectroChem</i> , 2014, 1, 343-346.	1.7	82
27	Biofuel Cells for Biomedical Applications: Colonizing the Animal Kingdom. <i>ChemPhysChem</i> , 2013, 14, 2045-2058.	1.0	80
28	Direct electron transfer of bilirubin oxidase (<i>Myrothecium verrucaria</i>) at an unmodified nanoporous gold biocathode. <i>Electrochemistry Communications</i> , 2012, 16, 92-95.	2.3	79
29	Blood Tolerant Laccase by Directed Evolution. <i>Chemistry and Biology</i> , 2013, 20, 223-231.	6.2	79
30	Oxygen electroreduction catalysed by laccase wired to gold nanoparticles via the trinuclear copper cluster. <i>Energy and Environmental Science</i> , 2017, 10, 498-502.	15.6	72
31	Biofuel Cell Based on Microscale Nanostructured Electrodes with Inductive Coupling to Rat Brain Neurons. <i>Scientific Reports</i> , 2013, 3, 3270.	1.6	68
32	A hybrid electric power device for simultaneous generation and storage of electric energy. <i>Energy and Environmental Science</i> , 2014, 7, 989.	15.6	63
33	Self-Powered Wireless Carbohydrate/Oxygen Sensitive Biodevice Based on Radio Signal Transmission. <i>PLoS ONE</i> , 2014, 9, e109104.	1.1	62
34	Interaction of fungal laccases and laccase-mediator systems with lignin. <i>Enzyme and Microbial Technology</i> , 2006, 39, 841-847.	1.6	61
35	Direct electron transfer of <i>Trametes hirsuta</i> laccase adsorbed at unmodified nanoporous gold electrodes. <i>Bioelectrochemistry</i> , 2013, 91, 15-20.	2.4	60
36	A Direct Electron Transfer-Based Glucose/Oxygen Biofuel Cell Operating in Human Serum. <i>Fuel Cells</i> , 2010, 10, 9-16.	1.5	59

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37	A Nernstian Biosupercapacitor. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15434-15438.	7.2	59
38	Fully Enzymatic Membraneless Glucose Oxygen Fuel Cell That Provides 0.275 mA cm ⁻² in 5 mM Glucose, Operates in Human Physiological Solutions, and Powers Transmission of Sensing Data. <i>Analytical Chemistry</i> , 2016, 88, 2156-2163.	3.2	59
39	Altering the laccase functionality by <i>in vivo</i> assembly of mutant libraries with different mutational spectra. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 71, 250-260.	1.5	56
40	Laccase-gold nanoparticle assisted bioelectrocatalytic reduction of oxygen. <i>Electrochemistry Communications</i> , 2010, 12, 933-935.	2.3	56
41	Reorganization Energy for Internal Electron Transfer in Multicopper Oxidases. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13111-13126.	1.2	55
42	Interfacial Behavior and Activity of Laccase and Bilirubin Oxidase on Bare Gold Surfaces. <i>Langmuir</i> , 2014, 30, 2943-2951.	1.6	55
43	Bioelectrochemical studies of azurin and laccase confined in three-dimensional chips based on gold-modified nano-/microstructured silicon. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1001-1007.	5.3	53
44	Supercapacitive Photo-Bioanodes and Biosolar Cells: A Novel Approach for Solar Energy Harnessing. <i>Advanced Energy Materials</i> , 2017, 7, 1602285.	10.2	53
45	Hybrid Electric Power Biodevices. <i>ChemElectroChem</i> , 2014, 1, 1798-1807.	1.7	52
46	Direct Electrochemistry of Proteins and Enzymes. <i>Perspectives in Bioanalysis</i> , 2005, , 517-598.	0.3	50
47	Design of a bioelectrocatalytic electrode interface for oxygen reduction in biofuel cells based on a specifically adapted Os-complex containing redox polymer with entrapped <i>Trametes hirsuta</i> laccase. <i>Electrochemistry Communications</i> , 2010, 12, 640-643.	2.3	50
48	On the Possibility of Uphill Intramolecular Electron Transfer in Multicopper Oxidases: Electrochemical and Quantum Chemical Study of Bilirubin Oxidase. <i>Electroanalysis</i> , 2012, 24, 1524-1540.	1.5	49
49	Laccase-catalyzed synthesis of optically active polyaniline. <i>Synthetic Metals</i> , 2007, 157, 684-689.	2.1	48
50	Oxygen biosensor based on bilirubin oxidase immobilized on a nanostructured gold electrode. <i>Bioelectrochemistry</i> , 2013, 94, 69-74.	2.4	48
51	Stable 'Floating' Air Diffusion Biocathode Based on Direct Electron Transfer Reactions Between Carbon Particles and High Redox Potential Laccase. <i>Fuel Cells</i> , 2010, 10, 726-733.	1.5	46
52	Optimization of a Membraneless Glucose/Oxygen Enzymatic Fuel Cell Based on a Bioanode with High Coulombic Efficiency and Current Density. <i>ChemPhysChem</i> , 2013, 14, 2260-2269.	1.0	46
53	Quo Vadis, Implanted Fuel Cell?. <i>ChemPlusChem</i> , 2017, 82, 522-539.	1.3	45
54	Biosupercapacitors. <i>Current Opinion in Electrochemistry</i> , 2017, 5, 226-233.	2.5	44

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55	Bioelectrochemical Oxidation of Water. <i>Journal of the American Chemical Society</i> , 2014, 136, 5892-5895.	6.6	43
56	Bi-enzyme biosensor based on NAD ⁺ - and glutathione-dependent recombinant formaldehyde dehydrogenase and diaphorase for formaldehyde assay. <i>Sensors and Actuators B: Chemical</i> , 2007, 125, 1-9.	4.0	41
57	Properties of native and hydrophobic laccases immobilized in the liquid-crystalline cubic phase on electrodes. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 335-344.	1.1	41
58	Rechargeable, flexible and mediator-free biosupercapacitor based on transparent ITO nanoparticle modified electrodes acting in 100 μ M glucose containing buffers. <i>Biosensors and Bioelectronics</i> , 2018, 101, 84-89.	5.3	41
59	Fabrication of high surface area graphene electrodes with high performance towards enzymatic oxygen reduction. <i>Electrochimica Acta</i> , 2016, 191, 500-509.	2.6	40
60	Solar biosupercapacitor. <i>Electrochemistry Communications</i> , 2017, 74, 9-13.	2.3	40
61	Isolation and study of some properties of laccase from the basidiomycetes <i>Cerrena maxima</i> . <i>Biochemistry (Moscow)</i> , 2001, 66, 618-622.	0.7	38
62	Characterization of two new multiforms of <i>Trametes pubescens</i> laccase. <i>Bioorganic Chemistry</i> , 2007, 35, 35-49.	2.0	38
63	Miniature Direct Electron Transfer Based Enzymatic Fuel Cell Operating in Human Sweat and Saliva. <i>Fuel Cells</i> , 2014, 14, 1050-1056.	1.5	36
64	Bioelectrocatalytic reduction of oxygen at gold nanoparticles modified with laccase. <i>Bioelectrochemistry</i> , 2014, 95, 1-6.	2.4	36
65	Transparent and flexible, nanostructured and mediatorless glucose/oxygen enzymatic fuel cells. <i>Journal of Power Sources</i> , 2015, 294, 501-506.	4.0	36
66	The influence of nanoparticles on enzymatic bioelectrocatalysis. <i>RSC Advances</i> , 2014, 4, 38164-38168.	1.7	35
67	An Intrinsic Self-Charging Biosupercapacitor Comprised of a High-Potential Bioanode and a Low-Potential Biocathode. <i>ChemPlusChem</i> , 2017, 82, 576-583.	1.3	35
68	Purification and characterization of alcohol oxidase from a genetically constructed over-producing strain of the methylotrophic yeast <i>Hansenula polymorpha</i> . <i>Biochemistry (Moscow)</i> , 2006, 71, 245-250.	0.7	34
69	The dynamics of oxidase activity during cultivation of basidiomycetes from the genus <i>Trametes</i> Fr.. <i>Applied Biochemistry and Microbiology</i> , 2006, 42, 558-563.	0.3	33
70	Combinatorial Saturation Mutagenesis of the <i>Myceliophthora thermophila</i> Laccase T2 Mutant: the Connection between the C-Terminal Plug and the Conserved VSG Tripeptide. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2008, 11, 807-816.	0.6	32
71	Carbon Ceramic Electrodes Modified with Laccase from <i>Trametes hirsuta</i> : Fabrication, Characterization and Their Use for Phenolic Compounds Detection. <i>Electroanalysis</i> , 2007, 19, 907-917.	1.5	31
72	A chloride resistant high potential oxygen reducing biocathode based on a fungal laccase incorporated into an optimized Os-complex modified redox hydrogel. <i>Electrochemistry Communications</i> , 2011, 13, 474-476.	2.3	31

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73	Effect of the L499M mutation of the ascomycetous <i>Botrytis aclada</i> laccase on redox potential and catalytic properties. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 2913-2923.	2.5	31
74	An Amperometric Biosensor Based on Laccase Immobilized in Polymer Matrices for Determining Phenolic Compounds. <i>Journal of Analytical Chemistry</i> , 2005, 60, 553-557.	0.4	30
75	Laccase-based biosensors for monitoring lignin. <i>Enzyme and Microbial Technology</i> , 2006, 39, 835-840.	1.6	30
76	Ex vivo electric power generation in human blood using an enzymatic fuel cell in a vein replica. <i>RSC Advances</i> , 2016, 6, 70215-70220.	1.7	29
77	Transparent, mediator- and membrane-free enzymatic fuel cell based on nanostructured chemically modified indium tin oxide electrodes. <i>Biosensors and Bioelectronics</i> , 2017, 97, 46-52.	5.3	29
78	Autoreduction and Aggregation of Fungal laccase in Solution phase: possible correlation with a resting form of laccase. <i>Biochimie</i> , 2006, 88, 1275-1285.	1.3	28
79	Oxygen Electroreduction versus Bioelectroreduction: Direct Electron Transfer Approach. <i>Electroanalysis</i> , 2016, 28, 2270-2287.	1.5	28
80	Hybrid dual-functioning electrodes for combined ambient energy harvesting and charge storage: Towards self-powered systems. <i>Biosensors and Bioelectronics</i> , 2019, 126, 275-291.	5.3	28
81	A Comparative Study of Biocathodes Based on Multiwall Carbon Nanotube Buckypapers Modified with Three Different Multicopper Oxidases. <i>Electroanalysis</i> , 2013, 25, 1143-1149.	1.5	27
82	Non-Invasive Electrochemical Biosensors Operating in Human Physiological Fluids. <i>Sensors</i> , 2020, 20, 6352.	2.1	27
83	Combined ATR-SEIRAS and EC-STM Study of the Immobilization of Laccase on Chemically Modified Au Electrodes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16532-16540.	1.5	25
84	Switching from blue to yellow: altering the spectral properties of a high redox potential laccase by directed evolution. <i>Biocatalysis and Biotransformation</i> , 2013, 31, 8-21.	1.1	25
85	Transistor-Like Behavior of a Fungal Laccase. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7270-7274.	7.2	24
86	Powering electronic contact lenses: current achievements, challenges, and perspectives. <i>Expert Review of Ophthalmology</i> , 2014, 9, 269-273.	0.3	24
87	Flexible micro(bio)sensors for quantitative analysis of bioanalytes in a nanovolume of human lachrymal liquid. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3871-3879.	1.9	23
88	Miniature direct electron transfer based sulphite/oxygen enzymatic fuel cells. <i>Biosensors and Bioelectronics</i> , 2015, 66, 39-42.	5.3	23
89	Novel Laccase Redox Mediators: Spectral, Electrochemical, and Kinetic Properties. <i>Applied Biochemistry and Biotechnology</i> , 2003, 111, 167-184.	1.4	22
90	Electrochemical characterization and application of azurin-modified gold electrodes for detection of superoxide. <i>Biosensors and Bioelectronics</i> , 2006, 22, 213-219.	5.3	22

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91	Mediatorless Carbohydrate/Oxygen Biofuel Cells with Improved Cellobiose Dehydrogenase Based Bioanode. <i>Fuel Cells</i> , 2014, 14, 792-800.	1.5	22
92	Laccase-modified gold nanorods for electrocatalytic reduction of oxygen. <i>Bioelectrochemistry</i> , 2016, 107, 30-36.	2.4	22
93	Direct electron transfer reactions between human ceruloplasmin and electrodes. <i>Bioelectrochemistry</i> , 2009, 76, 34-41.	2.4	21
94	Laccase-Catalyzed Bioelectrochemical Oxidation of Water Assisted with Visible Light. <i>ACS Catalysis</i> , 2017, 7, 4881-4889.	5.5	20
95	Direct Heterogeneous Electron Transfer Reactions of <i>Bacillus halodurans</i> Bacterial Blue Multicopper Oxidase. <i>Electroanalysis</i> , 2008, 20, 963-969.	1.5	18
96	Intact and permeabilized cells of the yeast <i>Hansenula polymorpha</i> as bioselective elements for amperometric assay of formaldehyde. <i>Talanta</i> , 2007, 71, 934-940.	2.9	17
97	Biological fuel cells: Divergence of opinion. <i>Bioelectrochemistry</i> , 2015, 106, 1-2.	2.4	17
98	Comparative Spectroelectrochemical Studies of Lyophilized and Nonlyophilized Laccases from <i>Cerrena unicolor</i> Basidiomycete. <i>Electroanalysis</i> , 2007, 19, 1039-1047.	1.5	16
99	Simultaneous use of electrochemistry and chemiluminescence to detect reactive oxygen species produced by human neutrophils. <i>Cell Biology International</i> , 2008, 32, 1486-1496.	1.4	15
100	Comparison of bioelectrocatalysis at <i>Trichaptum abietinum</i> and <i>Trametes hirsuta</i> laccase modified electrodes. <i>Electrochimica Acta</i> , 2014, 130, 141-147.	2.6	15
101	Performance of enzymatic fuel cell in cell culture. <i>Biosensors and Bioelectronics</i> , 2014, 55, 168-173.	5.3	14
102	Impact of the Gold Support on the Electrocatalytic Oxidation of Sugars at Enzyme-Modified Electrodes. <i>Electroanalysis</i> , 2011, 23, 927-930.	1.5	13
103	Halides inhibition of multicopper oxidases studied by FTIR spectroelectrochemistry using azide as an active infrared probe. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 1179-1186.	1.1	13
104	Electrochemistry of a high redox potential laccase obtained by computer-guided mutagenesis combined with directed evolution. <i>Electrochemistry Communications</i> , 2019, 106, 106511.	2.3	13
105	Enzymatic oxidation of manganese ions catalysed by laccase. <i>Bioorganic Chemistry</i> , 2009, 37, 1-5.	2.0	12
106	Amperometric monitoring of redox activity in intact, permeabilised and lyophilised cells of the yeast <i>Hansenula polymorpha</i> . <i>Electrochemistry Communications</i> , 2007, 9, 1480-1485.	2.3	11
107	Laccase cathode approaches to physiological conditions by local pH acidification. <i>Electrochemistry Communications</i> , 2012, 18, 37-40.	2.3	11
108	Third-generation oxygen amperometric biosensor based on <i>Trametes hirsuta</i> laccase covalently bound to graphite electrode. <i>Chemical Papers</i> , 2015, 69, .	1.0	11

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109	Isolation and Purification of Enzymes from Lignolytic Complex of the Basidial Fungus <i>Trametes pubescens</i> (Schumach.) Pilat and Study of Their Properties. <i>Biochemistry (Moscow)</i> , 2005, 70, 1274-1279.	0.7	10
110	Activity of lactoperoxidase when adsorbed on protein layers. <i>Talanta</i> , 2008, 76, 1159-1164.	2.9	10
111	Underpotential Photoelectrooxidation of Water by SnS ₂ Laccase Co-catalysts on Nanostructured Electrodes with Only Visible-Light Irradiation. <i>ChemElectroChem</i> , 2019, 6, 2755-2761.	1.7	10
112	Enzymatic synthesis of a conducting complex of polyaniline and poly(2-acrylamido-2-methyl-1-propanesulfonic acid) using palm tree peroxidase and its properties. <i>Applied Biochemistry and Microbiology</i> , 2005, 41, 247-250.	0.3	9
113	A conventional symmetric biosupercapacitor based on rusticyanin modified gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2018, 816, 253-258.	1.9	9
114	Transparent and Capacitive Bioanode Based on Specifically Engineered Glucose Oxidase. <i>Electroanalysis</i> , 2016, 28, 1290-1297.	1.5	8
115	Phenylpyrazolones, Novel Oxidoreductase Redox Mediators for Degradation of Xenobiotics. <i>Applied Biochemistry and Microbiology</i> , 2004, 40, 140-145.	0.3	7
116	An electrochemical method for measuring metabolic activity and counting cells. <i>Applied Biochemistry and Microbiology</i> , 2006, 42, 525-533.	0.3	7
117	Scalable, high performance, enzymatic cathodes based on nanoimprint lithography. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 1377-1384.	1.5	7
118	Oxygen can be replaced by artificial electron acceptors in reactions catalyzed by alcohol oxidase. <i>Applied Biochemistry and Microbiology</i> , 2007, 43, 15-20.	0.3	6
119	Ein Nernst-Biosuperkondensator. <i>Angewandte Chemie</i> , 2016, 128, 15660-15664.	1.6	5
120	Octaheme nitrite reductase: The mechanism of intramolecular electron transfer and kinetics of nitrite bioelectroreduction. <i>Bioelectrochemistry</i> , 2021, 138, 107699.	2.4	5
121	Comparative study of biocatalytic reactions of high and low redox potential fungal and plant laccases in homogeneous and heterogeneous reactions. <i>Moscow University Chemistry Bulletin</i> , 2008, 63, 94-98.	0.2	4
122	Potentially implantable biocathode with the function of charge accumulation based on nanocomposite of polyaniline/carbon nanotubes. <i>Russian Journal of Electrochemistry</i> , 2016, 52, 1166-1171.	0.3	4
123	Wearable Electronic Tongue for Non-Invasive Assessment of Human Sweat. <i>Sensors</i> , 2021, 21, 7311.	2.1	4
124	Determination of Polyphenolic Complex in Wines by Electrochemical Methods and Using the Enzymes Tyrosinase and Laccase. <i>Applied Biochemistry and Microbiology</i> , 2004, 40, 304-309.	0.3	3
125	Title is missing!. <i>Russian Journal of Plant Physiology</i> , 2001, 48, 459-463.	0.5	2
126	Concept for assembling individual nanostructure-based components into complex devices. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015, 33, .	0.6	1

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127	Photo-Biosupercapacitors: Supercapacitive Photo-Bioanodes and Biosolar Cells: A Novel Approach for Solar Energy Harnessing (Adv. Energy Mater. 12/2017). Advanced Energy Materials, 2017, 7, .	10.2	1
128	Autotolerant ceruloplasmin based biocathodes for implanted biological power sources. Bioelectrochemistry, 2021, 140, 107794.	2.4	1
129	Photobioanodes based on nanoimprinted electrodes and immobilised chloroplasts. ChemElectroChem, 0, , .	1.7	1
130	11. Wearable bioelectronic devices. , 2019, , 213-236.		0