

Dietmar Fink

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

181
citations

1307594

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1125743

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13
all docs

13
docs citations

13
times ranked

150
citing authors

#	ARTICLE	IF	CITATIONS
1	Glucose determination using a re-usable enzyme-modified ion track membrane sensor. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2702-2706.	10.1	53
2	Room Temperature Ammonia Gas Sensing Using Mixed Conductor based TEMPOS Structures. <i>Sensors</i> , 2008, 8, 6355-6370.	3.8	31
3	Ion track-based urea sensing. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 467-470.	7.8	17
4	Highly sensitive urea sensing with ion-irradiated polymer foils. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 273, 164-170.	1.4	9
5	Nuclear track-based biosensing: an overview. <i>Radiation Effects and Defects in Solids</i> , 2016, 171, 173-185.	1.2	9
6	Optimization of transport processes in etched track-based biosensors. <i>Radiation Effects and Defects in Solids</i> , 2012, 167, 548-568.	1.2	8
7	Label-free DNA detection using the narrow side of funnel-type etchednanopores. <i>Biosensors and Bioelectronics</i> , 2013, 42, 362-366.	10.1	8
8	Coupled chemical reactions in dynamic nanometric confinement: Ag ₂ O membrane formation during ion track etching. <i>Radiation Effects and Defects in Solids</i> , 2013, 168, 675-695.	1.2	4
9	Ion track etching revisited: II. Electronic properties of aged tracks in polymers. <i>Radiation Effects and Defects in Solids</i> , 2018, 173, 148-164.	1.2	4
10	Diffusion kinetics of the glucose/glucose oxidase system in swift heavy ion track-based biosensors. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 398, 21-26.	1.4	3
11	Coupled chemical reactions in dynamic nanometric confinement: VII. Biosensors based on swift heavy ion tracks with membranes. <i>Radiation Effects and Defects in Solids</i> , 2017, 172, 159-173.	1.2	2
12	Coupled chemical reactions in dynamic nanometric confinement: IX. Etched tracks with membranes made of calcium carbonate. <i>Radiation Effects and Defects in Solids</i> , 2020, 175, 7-25.	1.2	2