

Dietmar Fink

List of Publications by Year in descending order

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