Norbert Siedow

List of Publications by Year
in descending order

20	257	1163117 8	940533 16
papers	citations	h-index	g-index

23	23	23	205
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cochlear Pharmacokinetics with Local Inner Ear Drug Delivery Using a Three-Dimensional Finite-Element Computer Model. Audiology and Neuro-Otology, 2007, 12, 37-48.	1.3	55
2	Boundary layers and domain decomposition for radiative heat transfer and diffusion equations: applications to glass manufacturing process. European Journal of Applied Mathematics, 1998, 9, 351-372.	2.9	36
3	Deterministic model for dose calculation in photon radiotherapy. Physics in Medicine and Biology, 2006, 51, 675-693.	3.0	34
4	Application of a New Method for Radiative Heat Transfer to Flat Glass Tempering. Journal of the American Ceramic Society, 2005, 88, 2181-2187.	3.8	29
5	IDENTIFICATION OF TEMPERATURE-DEPENDENT PARAMETERS IN LASER-INTERSTITIAL THERMO THERAPY. Mathematical Models and Methods in Applied Sciences, 2012, 22, .	3.3	20
6	Validation of a mathematical model for laser-induced thermotherapy in liver tissue. Lasers in Medical Science, 2017, 32, 1399-1409.	2.1	20
7	FPM computations of glass cooling with radiation. Computer Methods in Applied Mechanics and Engineering, 2007, 196, 4656-4671.	6.6	14
8	Two-dimensional finite element modeling of glass forming and tempering processes, including radiative effects. Finite Elements in Analysis and Design, 2015, 94, 16-23.	3.2	9
9	Influence of radiative heat transfer model on the computation of residual stresses in glass tempering process. International Journal of Applied Glass Science, 2018, 9, 235-251.	2.0	7
10	A local time stepping method for thermal energy transport in district heating networks. Applied Mathematics and Computation, 2019, 353, 215-229.	2.2	7
11	Identification of the blood perfusion rate for laser-induced thermotherapy in the liver. Journal of Mathematics in Industry, 2020, 10, .	1.2	7
12	Identification of Relaxation Functions in Glass by Mean of a Simple Experiment. Journal of the American Ceramic Society, 2007, 90, 2980-2983.	3.8	4
13	Axisymmetric modeling of the thermal cooling, including radiation, of a circular glass disk. International Journal of Heat and Mass Transfer, 2015, 89, 414-424.	4.8	4
14	Coloured marking inside glass by laser radiation. , 2005, 5989, 159.		3
15	Shaping at Low Viscosities. Schott Series on Glass and Glass Ceramics, 2002, , 239-337.	0.7	3
16	Approximate solution of nonlinear inverse problems by fixed-point iteration. Journal of Physics: Conference Series, 2008, 135, 012081.	0.4	1
17	Optimal control of district heating networks. Proceedings in Applied Mathematics and Mechanics, 2019, 19, e201900491.	0.2	1
18	Identification of Temperature Dependent Parameters in Radiative Heat Transfer. Proceedings in Applied Mathematics and Mechanics, 2010, 10, 593-594.	0.2	0

#	Article	IF	Citations
19	Radiative Heat Transfer and Applications for Glass Production Processes II. Lecture Notes in Mathematics, 2011, , 135-171.	0.2	0
20	An implicit high order finite volume scheme with a posteriori limiting for advection networks. Proceedings in Applied Mathematics and Mechanics, 2021, 20, e202000237.	0.2	0