

Keshu Wan

List of Publications by Year in descending order

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papers

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471061
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32
times ranked

623
citing authors

#	ARTICLE	IF	CITATIONS
1	Representative elementary volume analysis of hardened cement paste during hydration using X-ray Computed Tomography. <i>Construction and Building Materials</i> , 2021, 277, 122268.	3.2	5
2	How to Measure the Absorption and Desorption Curves of Superabsorbent Polymers in the Presence of Calcium Ions. <i>Journal of Advanced Concrete Technology</i> , 2021, 19, 1285-1295.	0.8	1
3	3D full field study of drying shrinkage of foam concrete. <i>Cement and Concrete Composites</i> , 2017, 82, 217-226.	4.6	22
4	Calibration of grayscale values of cement constituents using industrial X-ray tomography. <i>Science China Technological Sciences</i> , 2015, 58, 485-492.	2.0	9
5	Expanded digital volume correlation for <i>in situ</i> applications. <i>Measurement Science and Technology</i> , 2015, 26, 095605.	1.4	6
6	Spatial distribution of the increased porosity of cement paste due to calcium leaching. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2015, 30, 735-744.	0.4	7
7	3D spatial distribution of the calcium carbonate caused by carbonation of cement paste. <i>Cement and Concrete Composites</i> , 2014, 45, 255-263.	4.6	53
8	Local porosity distribution of cement paste characterized by X-ray micro-tomography. <i>Science China Technological Sciences</i> , 2014, 57, 953-961.	2.0	18
9	A discussion of the paper "Differential-scheme based dissolution diffusion model for calcium leaching in cement-based materials accounting for mix design and binder composition". <i>Cement and Concrete Research</i> , 2014, 58, 201-203.	4.6	2
10	3D porosity distribution of partly calcium leached cement paste. <i>Construction and Building Materials</i> , 2013, 48, 11-15.	3.2	27
11	Experimental and modelling research of the accelerated calcium leaching of cement paste in ammonium nitrate solution. <i>Construction and Building Materials</i> , 2013, 40, 832-846.	3.2	86
12	Solid-liquid equilibrium curve of calcium in 6mol/L ammonium nitrate solution. <i>Cement and Concrete Research</i> , 2013, 53, 44-50.	4.6	53
13	In situ compressive damage of cement paste characterized by lab source X-ray computer tomography. <i>Materials Characterization</i> , 2013, 82, 32-40.	1.9	24
14	Application of tomography for solid calcium distributions in calcium leaching cement paste. <i>Construction and Building Materials</i> , 2012, 36, 913-917.	3.2	23
15	Three-dimensional analysis of micro defect morphologies in cement-based materials using focused ion beam tomography. <i>Science China Technological Sciences</i> , 2012, 55, 1539-1544.	2.0	2
16	Quantitative evaluation of probe response functions for Raman and fluorescence bands of single-crystalline and polycrystalline Al_2O_3 . <i>Journal Physics D: Applied Physics</i> , 2010, 43, 205501.	1.3	18
17	Fabrication of Multiple Slit Using Stacked-Sliced Method for Hard X-ray Talbot-Lau Interferometer. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 7412-7414.	0.8	3
18	Raman piezospectroscopic evaluation of intergrowth ferroelectric polycrystalline ceramic in biaxial bending configuration. <i>Journal of Applied Physics</i> , 2007, 101, 033501.	1.1	1

#	ARTICLE	IF	CITATIONS
19	Biaxial stress dependence of the electrostimulated near-band-gap spectrum of GaN epitaxial film grown on (0001) sapphire substrate. <i>Applied Physics Letters</i> , 2006, 88, 251910.	1.5	28
20	Cathodoluminescence Investigation of Residual Stress in Er ³⁺ :YAlO ₃ Thin Films Grown on (110) SrTiO ₃ Substrate by Metal-Organic Chemical Vapor Deposition. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23977-23981.	1.2	14
21	The grain-boundary-related optical and electrical properties in polycrystalline p-type ZnO films. <i>Chemical Physics Letters</i> , 2006, 420, 448-452.	1.2	13
22	Methods of piezo-spectroscopic calibration of thin-film materials: I. Ball-on-ring biaxial flexure. <i>Measurement Science and Technology</i> , 2006, 17, 181-190.	1.4	25
23	Methods of piezo-spectroscopic calibration of thin film materials: II. Tensile stress field at indentation crack tip. <i>Measurement Science and Technology</i> , 2006, 17, 191-198.	1.4	22
24	Stress dependence of F ⁺ -center cathodoluminescence of sapphire. <i>Applied Physics Letters</i> , 2006, 89, 041908.	1.5	17
25	Thermal-Degradation Process Analysis of Mesoporous Silica in Different Atmospheres. <i>Bulletin of the Chemical Society of Japan</i> , 2005, 78, 1879-1883.	2.0	1
26	Determination of in-depth probe response function using spectral perturbation methods. <i>Journal of Applied Physics</i> , 2005, 98, 113101.	1.1	10
27	Spectral-resolved microprobe cathodoluminescence investigations of Al-doped single-crystalline Ba _{0.6} Sr _{0.4} TiO ₃ thin films. <i>Applied Physics Letters</i> , 2005, 87, 181914.	1.5	15
28	Synthesis, characterization and catalytic properties of nitrogen-incorporated ZSM-5 molecular sieves with bimodal pores. <i>Applied Catalysis A: General</i> , 2004, 258, 55-61.	2.2	42
29	The Basicity and Catalytic Activity of Ordered Mesoporous Silicon Nitride Oxide. <i>Bulletin of the Chemical Society of Japan</i> , 2004, 77, 1409-1414.	2.0	27
30	Synthesis and characterization of composite molecular sieves with mesoporous and microporous structure from ZSM-5 zeolites by heat treatment. <i>Microporous and Mesoporous Materials</i> , 2003, 62, 157-163.	2.2	49
31	Thermal stability of Si ⁴⁺ -MCM-41 in gaseous atmosphere. <i>Materials Letters</i> , 2003, 57, 3839-3842.	1.3	11
32	Synthesis of Highly Ordered Mesoporous Silicon Oxynitride with High Nitrogen Content. <i>Chemistry Letters</i> , 2003, 32, 362-363.	0.7	40