Carsten Plog

List of Publications by Year
in descending order

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37 papers	1,282 citations	430874 18 h-index	395702 33 g-index
40 all docs	40 docs citations	40 times ranked	686 citing authors

#	Article	IF	Citations
1	Selective ammonia exhaust gas sensor for automotive applications. Sensors and Actuators B: Chemical, 2002, 83, 181-189.	7.8	192
2	Empirical formula for the calculation of secondary ion yields from oxidized metal surfaces and metal oxides. Surface Science, 1977, 67, 565-580.	1.9	140
3	Selective Ammonia Exhaust Gas Sensor for Automotive Applications. , 2001, , 1656-1659.		122
4	Temperature-independent resistive oxygen exhaust gas sensor for lean-burn engines in thick-film technology. Sensors and Actuators B: Chemical, 2003, 93, 43-50.	7.8	89
5	Development and working principle of an ammonia gas sensor based on a refined model for solvate supported proton transport in zeolites. Physical Chemistry Chemical Physics, 2003, 5, 5195-5198.	2.8	84
6	The effect of NH3 on the ionic conductivity of dehydrated zeolites Na beta and H beta. Microporous and Mesoporous Materials, 1998, 21, 111-116.	4.4	75
7	Combustion gas sensitivity of zeolite layers on thin-film capacitors. Sensors and Actuators B: Chemical, 1995, 25, 403-406.	7.8	58
8	Selective impedance based gas sensors for hydrocarbons using ZSM-5 zeolite films with chromium(III)oxide interface. Sensors and Actuators B: Chemical, 2006, 119, 441-448.	7.8	56
9	Impedance of zeolite-based gas sensors. Sensors and Actuators B: Chemical, 1995, 25, 653-656.	7.8	39
10	SIMS, EID and flash-filament investigation of O2, H2, (O2 + H2) and H2O interaction with vanadium. Surface Science, 1977, 63, 403-416.	1.9	36
11	Selective NO reduction by propane and propene over a Pt/ZSM-5 catalyst: a transient study of the reaction mechanism. Applied Catalysis B: Environmental, 1996, 11, 49-63.	20.2	36
12	Sensor for directly determining the exhaust gas recirculation rateâ€"EGR sensor. Sensors and Actuators B: Chemical, 2006, 119, 57-63.	7.8	36
13	Measurements of relative secondary ion yields from oxidized tungsten (100) under bombardment by ions with different masses and energies. International Journal of Mass Spectrometry and Ion Physics, 1974, 13, 415-424.	1.3	35
14	Simultaneous SIMS and EID investigation on the interaction of oxygen with a W (100) surface. Surface Science, 1973, 39, 397-404.	1.9	34
15	Poisoning of Temperature Independent Resistive Oxygen Sensors by Sulfur Dioxide. Journal of Electroceramics, 2004, 13, 733-738.	2.0	32
16	Sulfur adsorber for thick-film exhaust gas sensors. Sensors and Actuators B: Chemical, 2003, 93, 36-42.	7.8	24
17	Secondary ion emission by nonadiabatic dissociation of nascent ion molecules with energies depending on solid composition. European Physical Journal B, 1983, 54, 59-70.	1.5	23
18	Amine production from methanol and ammonia over ZSM-5 and T-zeolite catalysts. Applied Catalysis, 1988, 39, 213-226.	0.8	23

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19	Zeolite coated interdigital capacitors as a new type of gas sensor. Catalysis Today, 1991, 8, 509-513.	4.4	20
20	Secondary ion production by latent energy of neutrally emitted particles. Surface Science, 1985, 152-153, 127-134.	1.9	18
21	Investigations on oxide formed in high-temperature water on austenitic steel. Journal of Nuclear Materials, 1980, 92, 334-344.	2.7	17
22	Sensor for Directly Determining the State of a NOx Storage Catalyst. , 2008, , .		16
23	Secondary ion emission by nonadiabatic dissociation of nascent ion molecules with energies depending on solid composition. European Physical Journal B, 1983, 54, 71-86.	1.5	15
24	A new potentiometric NO sensor based on a NO+ cation conducting ceramic membrane. Sensors and Actuators B: Chemical, 2001, 77, 287-292.	7.8	11
25	The Effect of Adsorbates on N2O Formation in Pulsing NO over a Pt/ZSM-5 Catalyst. Journal of Catalysis, 1997, 169, 400-403.	6.2	10
26	The influence of water and of alkali promotor on the carbon number distribution of fischer-tropsch products formed over iron catalysts. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1987, 91, 116-121.	0.9	8
27	Plasma-Enhanced Adsorption and Reduction on Lean NOx-Catalysts. , 2001, , .		7
28	LAMMA- and SIMS/AES-measurements on Fe-Ti-alloys. Fresenius Zeitschrift FÃ¼r Analytische Chemie, 1981, 308, 287-289.	0.8	6
29	Mikroelektronische Gassensoren: Ein neues Anwendungsgebiet fÃ¼r Zeolithe. Chemie-Ingenieur-Technik, 1991, 63, 838-839.	0.8	4
30	Development of a high-temperature basic device for chemical sensors based on an IDC with on-chip heating. Sensors and Actuators B: Chemical, 1995, 25, 584-587.	7.8	4
31	Influence of the hydrothermal treatment on the catalytic behaviour of mordenite and on the aluminium distribution in the crystallite. Applied Catalysis, 1987, 35, 311-320.	0.8	3
32	Ptrh-Doped Zeolites as Three-Way-Catalysts: Sims Analysis as a Tool for the Selection of Suitable Zeolite Types. Studies in Surface Science and Catalysis, 1989, , 295-304.	1.5	2
33	Metal-Doped Zeolites for Selective Catalytic Reduction of Nitrogen Oxides in Combustion Gases. Studies in Surface Science and Catalysis, 1989, 46, 337-346.	1.5	2
34	Amperometric measurements with a nitrosyl cation conducting ceramic membrane. Physical Chemistry Chemical Physics, 2003, 5, 5199-5202.	2.8	2
35	Effect of Impregnation and Activation Conditions of Al2O3/CuO Supported Monolith Catalysts in the Reduction of NO. Studies in Surface Science and Catalysis, 1979, 3, 29-40.	1.5	1
36	Catalyst for selective reduction of nitrogen oxides in flue gases. Zeolites, 1991, 11, 89.	0.5	0

#	Article	IF	Citations
37	Characterization of SO2-contaminated Cu-ZSM-5 catalysts. Studies in Surface Science and Catalysis, 1995, 98, 58-60.	1.5	0