

Guido Saracco

List of Publications by Year in descending order

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194
papers

9,816
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41627

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docs citations

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times ranked

12696
citing authors

#	ARTICLE	IF	CITATIONS
1	A green and easy-to-assemble electrochemical biosensor based on thylakoid membranes for photosynthetic herbicides detection. <i>Biosensors and Bioelectronics</i> , 2022, 198, 113838.	5.3	4
2	High-Light versus Low-Light: Effects on Paired Photosystem II Supercomplex Structural Rearrangement in Pea Plants. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8643.	1.8	13
3	Ice-templated nanocellulose porous structure enhances thermochemical storage kinetics in hydrated salt/graphite composites. <i>Renewable Energy</i> , 2020, 160, 698-706.	4.3	32
4	How paired PSII-LHCII supercomplexes mediate the stacking of plant thylakoid membranes unveiled by structural mass-spectrometry. <i>Nature Communications</i> , 2020, 11, 1361.	5.8	57
5	Aromatic molecular junctions between graphene sheets: a molecular dynamics screening for enhanced thermal conductance. <i>RSC Advances</i> , 2019, 9, 15573-15581.	1.7	7
6	Structural and functional differentiation of the light-harvesting protein Lhcb4 during land plant diversification. <i>Physiologia Plantarum</i> , 2019, 166, 336-350.	2.6	14
7	Thermal bridging of graphene nanosheets via covalent molecular junctions: A non-equilibrium Green's functions density functional tight-binding study. <i>Nano Research</i> , 2019, 12, 791-799.	5.8	29
8	A fluid dynamics perspective on material selection in microbial fuel cell-based biosensors. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 4533-4542.	3.8	21
9	Edge-Crafted Molecular Junctions between Graphene Nanoplatelets: Applied Chemistry to Enhance Heat Transfer in Nanomaterials. <i>Advanced Functional Materials</i> , 2018, 28, 1706954.	7.8	39
10	Layer-by-layer assembly of efficient flame retardant coatings based on high aspect ratio graphene oxide and chitosan capable of preventing ignition of PU foam. <i>Polymer Degradation and Stability</i> , 2018, 152, 1-9.	2.7	92
11	Controlling the melt dripping of polyester fabrics by tuning the ionic strength of polyhedral oligomeric silsesquioxane and sodium montmorillonite coatings assembled through Layer by Layer. <i>Journal of Colloid and Interface Science</i> , 2018, 510, 142-151.	5.0	65
12	Molecular junctions for thermal transport between graphene nanoribbons: Covalent bonding vs. interdigitated chains. <i>Computational Materials Science</i> , 2018, 142, 255-260.	1.4	11
13	Response of the thylakoid proteome of <i>Synechocystis</i> sp. PCC 6803 to photoinhibitory intensities of orange-red light. <i>Plant Physiology and Biochemistry</i> , 2018, 132, 524-534.	2.8	2
14	Graphene Oxide Exoskeleton to Produce Self-Extinguishing, Nonignitable, and Flame Resistant Flexible Foams: A Mechanically Tough Alternative to Inorganic Aerogels. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801288.	1.9	59
15	Power to Fuels: Dynamic Modeling of a Slurry Bubble Column Reactor in Lab-Scale for Fischer Tropsch Synthesis under Variable Load of Synthesis Gas. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 514.	1.3	16
16	Thylakoid proteome modulation in pea plants grown at different irradiances: quantitative proteomic profiling in a non-model organism aided by transcriptomic data integration. <i>Plant Journal</i> , 2018, 96, 786-800.	2.8	27
17	Analysis of the light intensity dependence of the growth of <i>Synechocystis</i> and of the light distribution in a photobioreactor energized by 635 nm light. <i>PeerJ</i> , 2018, 6, e5256.	0.9	31
18	Core-substituted naphthalenediimides anchored on BiVO ₄ for visible light-driven water splitting. <i>Green Chemistry</i> , 2017, 19, 2448-2462.	4.6	11

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19	Syngas production from electrochemical reduction of CO ₂ : current status and prospective implementation. <i>Green Chemistry</i> , 2017, 19, 2326-2346.	4.6	281
20	Pea PSII-LHCII supercomplexes form pairs by making connections across the stromal gap. <i>Scientific Reports</i> , 2017, 7, 10067.	1.6	30
21	Supernucleation and Orientation of Poly(butylene terephthalate) Crystals in Nanocomposites Containing Highly Reduced Graphene Oxide. <i>Macromolecules</i> , 2017, 50, 9380-9393.	2.2	34
22	A simple model for a complex system: Kinetics of water oxidation with the [Ru(bpy) ₃] ²⁺ /S ₂ O ₈ ²⁻ photosystem as catalyzed by Mn ₂ O ₃ under different illumination conditions. <i>Chemical Engineering Journal</i> , 2017, 311, 143-152.	6.6	13
23	Development of an Electrochemical Process for the Simultaneous Treatment of Wastewater and the Conversion of Carbon Dioxide to Higher Value Products. <i>ChemElectroChem</i> , 2017, 4, 150-159.	1.7	50
24	Spin-Coated vs. Electrodeposited Mn Oxide Films as Water Oxidation Catalysts. <i>Materials</i> , 2016, 9, 296.	1.3	31
25	Dynamic reorganization of photosystem II supercomplexes in response to variations in light intensities. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1651-1660.	0.5	70
26	Environmental issues regarding CO ₂ and recent strategies for alternative fuels through photocatalytic reduction with titania-based materials. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3934-3953.	3.3	35
27	Improving efficiency and stability of perovskite solar cells with photocurable fluoropolymers. <i>Science</i> , 2016, 354, 203-206.	6.0	748
28	Isolation of novel PSII-LHCII megacomplexes from pea plants characterized by a combination of proteomics and electron microscopy. <i>Photosynthesis Research</i> , 2016, 130, 19-31.	1.6	24
29	Green-synthesized W- and Mo-doped BiVO ₄ oriented along the {0 4 0} facet with enhanced activity for the sun-driven water oxidation. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 630-636.	10.8	156
30	Green and low-cost synthesis of PANI@TiO ₂ nanocomposite mesoporous films for photoelectrochemical water splitting. <i>RSC Advances</i> , 2015, 5, 49429-49438.	1.7	83
31	Catalytic degradation of Acid Orange 7 by H ₂ O ₂ as promoted by either bare or V-loaded titania under UV light, in dark conditions, and after incubating the catalysts in ascorbic acid. <i>Journal of Lithic Studies</i> , 2015, 1, 183-191.	0.1	8
32	A model for electrode effects based on adsorption theory. <i>Electrochimica Acta</i> , 2015, 178, 280-286.	2.6	11
33	Comparison of photocatalytic and transport properties of TiO ₂ and ZnO nanostructures for solar-driven water splitting. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7775-7786.	1.3	234
34	Effect of surface area on the rate of photocatalytic water oxidation as promoted by different manganese oxides. <i>Chemical Engineering Journal</i> , 2015, 278, 36-45.	6.6	15
35	Nanostructured TiO ₂ /KIT-6 catalysts for improved photocatalytic reduction of CO ₂ to tunable energy products. <i>Applied Catalysis B: Environmental</i> , 2015, 170-171, 53-65.	10.8	42
36	Photo-catalytic activity of BiVO ₄ thin-film electrodes for solar-driven water splitting. <i>Applied Catalysis A: General</i> , 2015, 504, 266-271.	2.2	58

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37	Development of a Photosynthetic Microbial Electrochemical Cell (PMEC) Reactor Coupled with Dark Fermentation of Organic Wastes: Medium Term Perspectives. <i>Energies</i> , 2015, 8, 399-429.	1.6	33
38	Considerations on Oxygen Bubble Formation and Evolution on BiVO ₄ Porous Anodes Used in Water Splitting Photoelectrochemical Cells. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9916-9925.	1.5	65
39	Nanoparticles of CoAPO-5: synthesis and comparison with microcrystalline samples. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10774-10780.	1.3	8
40	Novel nanostructured-TiO ₂ materials for the photocatalytic reduction of CO ₂ greenhouse gas to hydrocarbons and syngas. <i>Fuel</i> , 2015, 149, 55-65.	3.4	80
41	New optimized mesoporous silica incorporated isolated Ti materials towards improved photocatalytic reduction of carbon dioxide to renewable fuels. <i>Chemical Engineering Journal</i> , 2015, 278, 279-292.	6.6	25
42	Elucidation of important parameters of BiVO ₄ responsible for photo-catalytic O ₂ evolution and insights about the rate of the catalytic process. <i>Chemical Engineering Journal</i> , 2014, 245, 124-132.	6.6	63
43	Green-Synthesized BiVO ₄ Oriented along {040} Facets for Visible-Light-Driven Ethylene Degradation. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 2640-2646.	1.8	73
44	Thick mesoporous TiO ₂ films through a sol-gel method involving a non-ionic surfactant: Characterization and enhanced performance for water photo-electrolysis. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 21512-21522.	3.8	37
45	New Transparent Laser-Drilled Fluorine-doped Tin Oxide covered Quartz Electrodes for Photo-Electrochemical Water Splitting. <i>Electrochimica Acta</i> , 2014, 131, 184-194.	2.6	35
46	Proteomic characterization and three-dimensional electron microscopy study of PSII-LHCII supercomplexes from higher plants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1454-1462.	0.5	31
47	The behaviour of an old catalyst revisited in a wet environment: Co ions in APO-5 split water under mild conditions. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 7074-7082.	1.3	7
48	Outer Co(ii) ions in Co-ZIF-67 reversibly adsorb oxygen from both gas phase and liquid water. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 6139.	1.3	66
49	Electric investigation of a photo-electrochemical water splitting device based on a proton exchange membrane within drilled FTO-covered quartz electrodes: under dark and light conditions. <i>Electrochimica Acta</i> , 2014, 144, 352-360.	2.6	12
50	New nanostructured silica incorporated with isolated Ti material for the photocatalytic conversion of CO ₂ to fuels. <i>Nanoscale Research Letters</i> , 2014, 9, 158.	3.1	14
51	A new method for studying activity and reaction kinetics of photocatalytic water oxidation systems using a bubbling reactor. <i>Chemical Engineering Journal</i> , 2014, 238, 17-26.	6.6	21
52	Electric response of an electrolytic cell to a periodic excitation in the dc limit. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 1883-1887.	0.9	1
53	Interesterification of rapeseed oil catalyzed by tin octoate. <i>Biomass and Bioenergy</i> , 2014, 67, 193-200.	2.9	20
54	Eu-doped γ -Fe ₂ O ₃ nanoparticles with modified magnetic properties. <i>Journal of Solid State Chemistry</i> , 2013, 201, 302-311.	1.4	39

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55	Structural, functional and auxiliary proteins of photosystem II. <i>Photosynthesis Research</i> , 2013, 116, 167-188.	1.6	102
56	Artificial Photosynthesis for Solar Fuels – an Evolving Research Field within AMPEA, a Joint Programme of the European Energy Research Alliance. <i>Green</i> , 2013, 3, .	0.4	62
57	Novel Ti-KIT-6 material for the photocatalytic reduction of carbon dioxide to methane. <i>Catalysis Communications</i> , 2013, 36, 58-62.	1.6	33
58	Process design accompanying life cycle management and risk analysis as a decision support tool for sustainable biodiesel production. <i>Green Chemistry</i> , 2013, 15, 463-477.	4.6	52
59	Evaluation of the Parameters Affecting the Visible-Light-Induced Photocatalytic Activity of Monoclinic BiVO ₄ for Water Oxidation. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 17414-17418.	1.8	72
60	Supercritical fluid technology in biodiesel production. <i>Green Processing and Synthesis</i> , 2013, 2, .	1.3	10
61	Characterization of PSII-LHCII supercomplexes isolated from pea thylakoid membrane by one-step treatment with 1- and 12-dodecyl- α -D-maltoside. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 3389-3399.	1.8	35
62	NO _x Abatement by HC-Assisted SCR over Combustion Synthesized-Supported Ag Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 7467-7474.	1.8	7
63	X-Ray Spectroscopy Tools for the Characterization of Nanoparticles. , 2012, , .		0
64	Morphology and conduction properties of graphite-filled immiscible PVDF/PPgMA blends. <i>Polymers for Advanced Technologies</i> , 2012, 23, 1572-1579.	1.6	24
65	Towards Artificial Leaves for Solar Hydrogen and Fuels from Carbon Dioxide. <i>ChemSusChem</i> , 2012, 5, 500-521.	3.6	203
66	Comparison of the 1 and 12 isomeric forms of the detergent n-dodecyl-D-maltoside for solubilizing photosynthetic complexes from pea thylakoid membranes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1506-1515.	0.5	47
67	Photocatalytic Degradation of Ethylene Emitted by Fruits with TiO ₂ Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 2536-2543.	1.8	78
68	Studies on the activity and deactivation of novel optimized TiO ₂ nanoparticles for the abatement of VOCs. <i>Chemical Engineering Journal</i> , 2011, 175, 330-340.	6.6	46
69	One-step isolation and biochemical characterization of a highly active plant PSII monomeric core. <i>Photosynthesis Research</i> , 2011, 108, 33-46.	1.6	16
70	Photocatalytic abatement of VOCs by novel optimized TiO ₂ nanoparticles. <i>Chemical Engineering Journal</i> , 2011, 166, 138-149.	6.6	116
71	Development of a planar 1/4DMFC operating at room temperature. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 8088-8093.	3.8	21
72	NO SCR reduction by hydrogen generated in line on perovskite-type catalysts for automotive diesel exhaust gas treatment. <i>Chemical Engineering Science</i> , 2010, 65, 120-127.	1.9	41

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73	CO-selective methanation over Ru γ -Al ₂ O ₃ catalysts in H ₂ -rich gas for PEM FC applications. Chemical Engineering Science, 2010, 65, 590-596.	1.9	109
74	Combustion of CH ₄ /H ₂ /Air Mixtures in Catalytic Microreactors. ChemPhysChem, 2009, 10, 783-786.	1.0	7
75	Electrochemical oxidation process for water condensates recycling in a shuttle orbiter. Journal of Applied Electrochemistry, 2009, 39, 2239-2249.	1.5	3
76	Photo-catalytic coating of polystyrene for household cooling appliances with self cleaning surfaces. Journal of Applied Electrochemistry, 2009, 39, 2265-2273.	1.5	6
77	Gold-Supported Catalysts for Medium Temperature-Water Gas Shift Reaction. Topics in Catalysis, 2009, 52, 688-692.	1.3	23
78	MCFC-based marine APU: Comparison between conventional ATR and cracking coupled with SR integrated inside the stack pressurized vessel. International Journal of Hydrogen Energy, 2009, 34, 2026-2042.	3.8	49
79	New concept for soot removal from a syngas mixture. Journal of Power Sources, 2009, 193, 338-341.	4.0	7
80	Effect of S-compounds on Pd over LaMnO ₃ -ZrO ₂ and CeO ₂ -ZrO ₂ catalysts for CH ₄ combustion. Catalysis Today, 2009, 143, 86-93.	2.2	29
81	Electrokinetic remediation of soils contaminated with heavy metals. Journal of Applied Electrochemistry, 2008, 38, 1035-1041.	1.5	18
82	Removal of NO _x and diesel soot over catalytic traps based on spinel-type oxides. Powder Technology, 2008, 180, 74-78.	2.1	48
83	Compact direct methanol fuel cells for portable application. Journal of Power Sources, 2008, 176, 460-467.	4.0	46
84	Promotion effect of Au on perovskite catalysts for the regeneration of diesel particulate filters. Catalysis Today, 2008, 137, 306-311.	2.2	48
85	Towards a single brick solution for the abatement of NO _x and soot from diesel engine exhausts. Catalysis Today, 2008, 137, 300-305.	2.2	32
86	Lanthanum cobaltite catalysts for diesel soot combustion. Applied Catalysis B: Environmental, 2008, 83, 85-95.	10.8	105
87	CO preferential oxidation in H ₂ -rich gas for fuel cell applications: Microchannel reactor performance with Rh-based catalyst. International Journal of Hydrogen Energy, 2008, 33, 3045-3048.	3.8	28
88	Desulfurization processes for fuel cells systems. International Journal of Hydrogen Energy, 2008, 33, 3209-3214.	3.8	53
89	Modeling of an APU system based on MCFC. International Journal of Hydrogen Energy, 2008, 33, 3393-3401.	3.8	29
90	Catalytic Performance of Rhodium-Based Catalysts for CO Preferential Oxidation in H ₂ -Rich Gases. Industrial & Engineering Chemistry Research, 2008, 47, 5304-5312.	1.8	52

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91	Final CO Clean-up Step of Reformate Gases via Methanation Process. ECS Transactions, 2008, 12, 579-587.	0.3	2
92	CO Methanation as Alternative Refinement Process for CO Abatement in H ₂ -Rich Gas for PEM Applications. International Journal of Chemical Reactor Engineering, 2007, 5, .	0.6	3
93	CO Preferential Oxidation Over Rh-supported Catalyst in H ₂ -rich Gas for Fuel Cell Applications. ECS Transactions, 2007, 5, 677-685.	0.3	4
94	Study of an Electrochemical Alcohol Concentration Sensor: Optimization of the Anode Structure. Journal of Fuel Cell Science and Technology, 2007, 4, 345-349.	0.8	5
95	Supported Pd-perovskite catalyst for CNG engines' exhaust gas treatment. Progress in Solid State Chemistry, 2007, 35, 501-511.	3.9	40
96	Fate of Organic Nitrogen during Electrooxidation over Conductive Metal Oxide Anodes. Industrial & Engineering Chemistry Research, 2007, 46, 6783-6787.	1.8	11
97	N ₂ O Decomposition over Perovskite Catalysts. Industrial & Engineering Chemistry Research, 2007, 46, 4226-4231.	1.8	111
98	Aging of Premixed Metal Fiber Burners for Natural Gas Combustion Catalyzed with Pd/LaMnO ₃ ·2ZrO ₂ . Industrial & Engineering Chemistry Research, 2007, 46, 6666-6673.	1.8	18
99	Combined steady state and transient optimization for dynamic smoke reduction on Heavy Duty engine (TIER3 Applications). , 2007, , .		2
100	N ₂ O catalytic decomposition over various spinel-type oxides. Catalysis Today, 2007, 119, 228-232.	2.2	151
101	LiCoO ₂ catalyst for diesel particulate abatement. Catalysis Today, 2007, 119, 257-261.	2.2	35
102	Preparation and regeneration of a catalytic diesel particulate filter. Chemical Engineering Science, 2007, 62, 5182-5185.	1.9	27
103	Three-compartment electro-oxidation reactor for bio-refractory organics degradation. Chemical Engineering Science, 2007, 62, 5644-5647.	1.9	4
104	Fuel processor based on syngas production via short contact time catalytic partial oxidation reactors. Applied Catalysis B: Environmental, 2007, 70, 525-531.	10.8	36
105	Electrochemical removal of antibiotics from wastewaters. Applied Catalysis B: Environmental, 2007, 70, 479-487.	10.8	171
106	Secondary nanoparticle emissions during diesel particulate trap regeneration. Topics in Catalysis, 2007, 42-43, 253-257.	1.3	12
107	Activity of rhodium-based catalysts for CO preferential oxidation in H ₂ -rich gases. Topics in Catalysis, 2007, 45, 15-19.	1.3	30
108	Catalytic wall-flow filters for the abatement of diesel particulate: regeneration parameters study. Topics in Catalysis, 2007, 45, 125-129.	1.3	4

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109	Preferential CO oxidation over Pt/3A zeolite catalysts in H ₂ -rich gas for fuel cell application. Journal of Porous Materials, 2007, 14, 245-250.	1.3	24
110	Concept Study on ATR and SR Fuel Processors for Liquid Hydrocarbons. Industrial & Engineering Chemistry Research, 2006, 45, 5298-5307.	1.8	49
111	PM _{0.1} Emissions during Diesel Trap Regeneration. Environmental Science & Technology, 2006, 40, 5532-5537.	4.6	37
112	CNG engines exhaust gas treatment via Pd-Spinel-type-oxide catalysts. Catalysis Today, 2006, 117, 559-563.	2.2	54
113	Diesel fuel processor for PEM fuel cells: Two possible alternatives (ATR versus SR). Journal of Power Sources, 2006, 154, 379-385.	4.0	71
114	La-Cr perovskite catalysts for diesel particulate combustion. Catalysis Today, 2006, 114, 31-39.	2.2	70
115	Supported gold catalysts for CO oxidation. Catalysis Today, 2006, 117, 214-219.	2.2	28
116	Towards practical application of lanthanum chromite catalysts for diesel particulate combustion. Catalysis Today, 2006, 117, 369-375.	2.2	10
117	Palladium/perovskite/zirconia catalytic premixed fiber burners for efficient and clean natural gas combustion. Catalysis Today, 2006, 117, 427-432.	2.2	29
118	Catalytic removal of NO _x and diesel soot over nanostructured spinel-type oxides. Journal of Catalysis, 2006, 242, 38-47.	3.1	171
119	Novel Approches in Oxidative Catalysis for Diesel Particulate Abatement. Advances in Science and Technology, 2006, 45, 2083-2088.	0.2	1
120	Gas (Particulate) Filtration. , 2006, , 416-438.		4
121	BIOFEAT: Biodiesel fuel processor for a vehicle fuel cell auxiliary power unit. Journal of Power Sources, 2005, 149, 8-14.	4.0	63
122	Conceptual design and selection of a biodiesel fuel processor for a vehicle fuel cell auxiliary power unit. Journal of Power Sources, 2005, 145, 683-690.	4.0	36
123	Optimal compositional and structural design of a LaMnO ₃ /ZrO ₂ /Pd-based catalyst for methane combustion. Catalysis Today, 2005, 100, 275-281.	2.2	51
124	Studies on the redox properties of chromite perovskite catalysts for soot combustion. Journal of Catalysis, 2005, 229, 459-469.	3.1	225
125	Deactivation and regeneration of Pt anodes for the electro-oxidation of phenol. Journal of Applied Electrochemistry, 2005, 35, 405-411.	1.5	33
126	Compact Direct Methanol Fuel Cells for Portable Applications: A Modeling Study. International Journal of Chemical Reactor Engineering, 2005, 3, .	0.6	9

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127	Diesel Particulate Filtration and Combustion in a Wall-Flow Trap Hosting a LiCrO ₂ Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 9549-9555.	1.8	28
128	Dynamics of a Methanol Reformer for Automotive Applications. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 759-768.	1.8	14
129	Combining Catalytic Combustion and Steam Reforming in a Novel Multifunctional Reactor for On-Board Hydrogen Production from Middle Distillates. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 9422-9430.	1.8	33
130	Multifunctional Filter for Treatment of the Flue Gases from Municipal Waste Incinerators. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 9542-9548.	1.8	20
131	Development of A zeolites-supported noble-metal catalysts for CO preferential oxidation: H ₂ gas purification for fuel cell. <i>Applied Catalysis B: Environmental</i> , 2004, 48, 195-203.	10.8	98
132	Cs ⁺ Catalysts for the Combustion of Diesel Particulate. <i>Topics in Catalysis</i> , 2004, 30/31, 251-255.	1.3	8
133	Nanosized Pt-Perovskite Catalyst for the Regeneration of a Wall-Flow Filter for Soot Removal from Diesel Exhaust Gases. <i>Topics in Catalysis</i> , 2004, 30/31, 299-303.	1.3	21
134	Selective CO-Oxidation over Ru-Based Catalysts in H ₂ -Rich Gas for Fuel Cell Applications. <i>Topics in Catalysis</i> , 2004, 30/31, 475-480.	1.3	24
135	Modeling the partial oxidation of methane in a fixed bed with detailed chemistry. <i>AIChE Journal</i> , 2004, 50, 1289-1299.	1.8	59
136	Steady-state multiplicity, flashback, and control issues in CH ₄ radiant burners. <i>AIChE Journal</i> , 2004, 50, 2276-2286.	1.8	0
137	In situ combustion synthesis of perovskite catalysts for efficient and clean methane premixed metal burners. <i>Chemical Engineering Science</i> , 2004, 59, 5091-5098.	1.9	59
138	A multifunctional filter for the simultaneous removal of fly-ash and NO _x from incinerator flue gases. <i>Chemical Engineering Science</i> , 2004, 59, 5329-5336.	1.9	40
139	Optimal Microstructural Design of a Catalytic Premixed FeCrAlloy Fiber Burner for Methane Combustion. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 1990-1998.	1.8	39
140	Tackling the problem of sulfur poisoning of perovskite catalysts for natural gas combustion. <i>Korean Journal of Chemical Engineering</i> , 2003, 20, 222-229.	1.2	19
141	Diesel particulate traps regenerated by catalytic combustion. <i>Korean Journal of Chemical Engineering</i> , 2003, 20, 445-450.	1.2	11
142	Mobile and non-mobile catalysts for diesel-particulate combustion: A kinetic study. <i>Korean Journal of Chemical Engineering</i> , 2003, 20, 451-456.	1.2	4
143	Sulphur poisoning of La _{0.5} xMnxMg _{0.5} O ₃ ·yMgO catalysts for methane combustion. <i>Applied Catalysis B: Environmental</i> , 2003, 40, 195-205.	10.8	36
144	Studies on kinetics and reactions mechanism of La ₂ xKxCu ₁ yVO ₄ layered perovskites for the combined removal of diesel particulate and NO _x . <i>Applied Catalysis B: Environmental</i> , 2003, 43, 243-259.	10.8	130

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145	The role of suprafacial oxygen in some perovskites for the catalytic combustion of soot. <i>Journal of Catalysis</i> , 2003, 217, 367-375.	3.1	255
146	Effect of active species mobility on soot-combustion over Cs-V catalysts. <i>AIChE Journal</i> , 2003, 49, 2173-2180.	1.8	59
147	Innovative means for the catalytic regeneration of particulate traps for diesel exhaust cleaning. <i>Chemical Engineering Science</i> , 2003, 58, 951-958.	1.9	71
148	Premixed metal fibre burners based on a Pd catalyst. <i>Catalysis Today</i> , 2003, 83, 19-31.	2.2	27
149	Combustion synthesis of perovskite-type catalysts for natural gas combustion. <i>Catalysis Today</i> , 2003, 83, 199-211.	2.2	220
150	Zinc Oxide Sorbents for the Removal of Hydrogen Sulfide from Syngas. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 1688-1697.	1.8	100
151	Diesel particulate abatement via wall-flow traps based on perovskite catalysts. <i>Annali Di Chimica</i> , 2003, 93, 745-52.	0.6	1
152	Ionic membrane technologies for the recovery of valuable chemicals from waste waters. <i>Annali Di Chimica</i> , 2003, 93, 817-26.	0.6	7
153	Sulfate Species in MgO-Supported LaMn _{0.5} Mg _{0.5} O ₃ Perovskites: An Insight into the Chemistry of MgO. <i>Journal of Physical Chemistry B</i> , 2002, 106, 11980-11984.	1.2	8
154	On the generation of aerosol for diesel particulate filtration studies. <i>Separation and Purification Technology</i> , 2002, 27, 195-209.	3.9	27
155	Filtration and catalytic abatement of diesel particulate from stationary sources. <i>Chemical Engineering Science</i> , 2002, 57, 4955-4966.	1.9	30
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