

Francisco Rodriguez-Reinoso

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

346
papers

24,592
citations

67
h-index

147
g-index

372
ext. papers

28,070
ext. citations

6.9
avg, IF

7.14
L-index

#	Paper	IF	Citations
346	CO ₂ Adsorption in Activated Carbon Materials. <i>Engineering Materials</i> , 2021 , 139-152	0.4	1
345	On mechanism of formation of SBA-15/furfuryl alcohol-derived mesoporous carbon replicas and its relationship with catalytic activity in oxidative dehydrogenation of ethylbenzene. <i>Microporous and Mesoporous Materials</i> , 2020 , 299, 110118	5.2	10
344	Tailoring Low-Cost Granular Activated Carbons Intended for CO Adsorption. <i>Frontiers in Chemistry</i> , 2020 , 8, 581133	4.8	3
343	Adsorption of hydrogen on activated carbons prepared by thermal activation : Hydrogen storage 2019 ,		1
342	Structural Flexibility in Activated Carbon Materials Prepared under Harsh Activation Conditions. <i>Materials</i> , 2019 , 12,	3.4	8
341	Methane Storage on Nanoporous Carbons. <i>Green Energy and Technology</i> , 2019 , 209-226	0.5	3
340	Characterization of the adsorption site energies and heterogeneous surfaces of porous materials. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10104-10137	12.8	86
339	Decoding gas-solid interaction effects on adsorption isotherm shape: II. Polar adsorptives. <i>Microporous and Mesoporous Materials</i> , 2019 , 278, 232-240	5.2	4
338	XPS characterization and E. Coli DNA degradation using functionalized Cu/TiO ₂ nanobiocatalysts. <i>Molecular Catalysis</i> , 2018 , 449, 62-71	3.3	23
337	Decoding gas-solid interaction effects on adsorption isotherm shape: I. Non-polar adsorptives. <i>Microporous and Mesoporous Materials</i> , 2018 , 264, 76-83	5.2	7
336	Isosteric Heats of Adsorption of Gases and Vapors on a Microporous Carbonaceous Material. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 3107-3116	2.7	8
335	Preparation and investigation of active carbons based on furfural copolymer. <i>Russian Chemical Bulletin</i> , 2018 , 67, 997-1001	1.6	
334	Physicochemical properties and in vivo evaluation of Pt/TiO-SiO nanopowders. <i>Nanomedicine</i> , 2018 , 13, 2171-2185	5.4	5
333	Unusual flexibility of mesophase pitch-derived carbon materials: An approach to the synthesis of graphene. <i>Carbon</i> , 2017 , 115, 539-545	10.1	22
332	Nanoporous Materials for the Onboard Storage of Natural Gas. <i>Chemical Reviews</i> , 2017 , 117, 1796-1825	66.4	170
331	Free-standing compact cathodes for high volumetric and gravimetric capacity LiS batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19924-19933	12.8	17
330	A High-Volumetric-Capacity Cathode Based on Interconnected Close-Packed N-Doped Porous Carbon Nanospheres for Long-Life LithiumSulfur Batteries. <i>Advanced Energy Materials</i> , 2017 , 7, 1701082 ^{21.6}		79

329	Influence of the oxygen-containing surface functional groups in the methane hydrate nucleation and growth in nanoporous carbon. <i>Carbon</i> , 2017 , 123, 299-301	10.1	23
328	HKUST-1@ACM hybrids for adsorption applications: A systematic study of the synthesis conditions. <i>Microporous and Mesoporous Materials</i> , 2017 , 237, 74-81	5.2	12
327	Porosity Effect on Thermal Properties of Al-12 wt % Si/Graphite Composites. <i>Materials</i> , 2017 , 10,	3.4	29
326	Effects of infiltration pressure on mechanical properties of Al ₂ O ₃ /Si/graphite composites for piston engines. <i>Composites Part B: Engineering</i> , 2016 , 91, 441-447	9.9	22
325	Paving the way for methane hydrate formation on metal-organic frameworks (MOFs). <i>Chemical Science</i> , 2016 , 7, 3658-3666	9.1	66
324	Activated Carbon and Adsorption 2016 ,		3
323	Pore size distributions derived from adsorption isotherms, immersion calorimetry, and isosteric heats: A comparative study. <i>Carbon</i> , 2016 , 96, 1106-1113	10.1	41
322	Biocompatibility and Biomechanical Effect of Single Wall Carbon Nanotubes Implanted in the Corneal Stroma: A Proof of Concept Investigation. <i>Journal of Ophthalmology</i> , 2016 , 2016, 4041767	1.9	7
321	High-Performance of Gas Hydrates in Confined Nanospace for Reversible CH ₄ /CO ₂ Storage. <i>Chemistry - A European Journal</i> , 2016 , 22, 10028-35	4.6	15
320	Oxidative Dehydrogenation of Ethylbenzene Over Poly(furfuryl alcohol)-Derived CMK-1 Carbon Replica. <i>Catalysis Letters</i> , 2016 , 146, 1231-1241	2.7	5
319	Tailoring biomass-based activated carbon for CH ₄ storage by combining chemical activation with H ₃ PO ₄ or ZnCl ₂ and physical activation with CO ₂ . <i>Carbon</i> , 2016 , 110, 138-147	10.1	79
318	Methane hydrate formation in confined nanospace can surpass nature. <i>Nature Communications</i> , 2015 , 6, 6432	16.9	133
317	Carbon-supported ionic liquids as innovative adsorbents for CO ₂ separation from synthetic flue-gas. <i>Journal of Colloid and Interface Science</i> , 2015 , 448, 41-50	9.1	50
316	Release of copper complexes from a nanostructured sol-gel titania for cancer treatment. <i>Journal of Materials Science</i> , 2015 , 50, 2410-2421	4.2	5
315	Novel synthesis of a micro-mesoporous nitrogen-doped nanostructured carbon from polyaniline. <i>Microporous and Mesoporous Materials</i> , 2015 , 218, 199-205	5.2	27
314	Removal of BrO ₃ ⁻ from drinking water samples using newly developed agricultural waste-based activated carbon and its determination by ultra-performance liquid chromatography-mass spectrometry. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15853-65	5	42
313	Improved mechanical stability of HKUST-1 in confined nanospace. <i>Chemical Communications</i> , 2015 , 51, 14191-4	5.7	16
312	Spectroscopic, calorimetric, and catalytic evidences of hydrophobicity on Ti-MCM-41 silylated materials for olefin epoxidations. <i>Applied Catalysis A: General</i> , 2015 , 507, 14-25	5.1	24

311	Physisorption of gases, with special reference to the evaluation of surface area and pore size distribution (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2015 , 87, 1051-1069	2	7465
310	Control of the spatial homogeneity of pore surface chemistry in particulate activated carbon. <i>Carbon</i> , 2015 , 95, 144-149	10.1	13
309	Immersion Calorimetry: Molecular Packing Effects in Micropores. <i>ChemPhysChem</i> , 2015 , 16, 3984-91	3.1	11
308	Very high methane uptake on activated carbons prepared from mesophase pitch: A compromise between microporosity and bulk density. <i>Carbon</i> , 2015 , 93, 11-21	10.1	41
307	A multi-method study of the transformation of the carbonaceous skeleton of a polymer-based nanoporous carbon along the activation pathway. <i>Carbon</i> , 2015 , 85, 119-134	10.1	18
306	High-Pressure Methane Storage in Porous Materials: Are Carbon Materials in the Pole Position?. <i>Chemistry of Materials</i> , 2015 , 27, 959-964	9.5	141
305	Post-combustion CO ₂ adsorption on activated carbons with different textural properties. <i>Microporous and Mesoporous Materials</i> , 2015 , 209, 157-164	5.2	42
304	Raman spectroscopy study of the transformation of the carbonaceous skeleton of a polymer-based nanoporous carbon along the thermal annealing pathway. <i>Carbon</i> , 2015 , 85, 147-158	10.1	101
303	Non-porous reference carbon for N ₂ (77.4 K) and Ar (87.3 K) adsorption. <i>Carbon</i> , 2014 , 66, 699-704	10.1	29
302	Control of the pore size distribution and its spatial homogeneity in particulate activated carbon. <i>Carbon</i> , 2014 , 78, 113-120	10.1	17
301	Assessment of CO ₂ adsorption capacity on activated carbons by a combination of batch and dynamic tests. <i>Langmuir</i> , 2014 , 30, 5840-8	3.9	28
300	Use of eutectic mixtures for preparation of monolithic carbons with CO ₂ adsorption and gas-separation capabilities. <i>Langmuir</i> , 2014 , 30, 12220-8	3.9	19
299	Activated Carbons Impregnated with Na ₂ S and H ₂ SO ₄ : Texture, Surface Chemistry and Application to Mercury Removal from Aqueous Solutions. <i>Adsorption Science and Technology</i> , 2014 , 32, 101-115	3.5	12
298	CO ₂ adsorption on crystalline graphitic nanostructures. <i>Journal of CO₂ Utilization</i> , 2014 , 5, 60-65	7.6	14
297	Activation routes for high surface area graphene monoliths from graphene oxide colloids. <i>Carbon</i> , 2014 , 76, 220-231	10.1	72
296	Chemically activated poly(furfuryl alcohol)-derived CMK-3 carbon catalysts for the oxidative dehydrogenation of ethylbenzene. <i>Catalysis Today</i> , 2014 , 235, 201-209	5.2	21
295	Effect of the porous structure in carbon materials for CO ₂ capture at atmospheric and high-pressure. <i>Carbon</i> , 2014 , 67, 230-235	10.1	146
294	Micro/Mesoporous Activated Carbons Derived from Polyaniline: Promising Candidates for CO ₂ Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 15398-15405	3.9	57

293	High-Resolution N ₂ Adsorption Isotherms at 77.4 K: Critical Effect of the He Used During Calibration. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 16885-16889	3.7	18
292	A simplified route to the synthesis of CMK-3 replica based on precipitation polycondensation of furfuryl alcohol in SBA-15 pore system. <i>Carbon</i> , 2013 , 64, 252-261	10.1	40
291	Water adsorption in hydrophilic zeolites: experiment and simulation. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 17374-82	3.5	49
290	High selectivity of TiC-CDC for CO ₂ /N ₂ separation. <i>Carbon</i> , 2013 , 59, 221-228	10.1	54
289	Critical temperatures in the synthesis of graphene-like materials by thermal exfoliation/Reduction of graphite oxide. <i>Carbon</i> , 2013 , 52, 476-485	10.1	188
288	Highlighting the Role of Activated Carbon Particle Size on CO ₂ Capture from Model Flue Gas. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 12183-12191	3.9	25
287	Investigation on the low-temperature transformations of poly(furfuryl alcohol) deposited on MCM-41. <i>Langmuir</i> , 2013 , 29, 3045-53	3.9	19
286	Co-adsorption of N ₂ in the presence of CH ₄ within carbon nanospaces: evidence from molecular simulations. <i>Nanotechnology</i> , 2013 , 24, 035401	3.3	17
285	Preparation of high metal content nanoporous carbon. <i>Fuel Processing Technology</i> , 2013 , 115, 115-121	7.1	3
284	Textural characterization of micro- and mesoporous carbons using combined gas adsorption and n-nonane preadsorption. <i>Langmuir</i> , 2013 , 29, 8133-9	3.9	26
283	KOH activation of carbon materials obtained from the pyrolysis of ethylene tar at different temperatures. <i>Fuel Processing Technology</i> , 2013 , 106, 402-407	7.1	17
282	Production of nanoTiC/graphite composites using Ti-doped self-sintering carbon mesophase powder. <i>Journal of the European Ceramic Society</i> , 2013 , 33, 583-591	6	6
281	Textural and Surface Characterization of Cork-Based Sorbents for the Removal of Oil from Water. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 16427-16435	3.9	40
280	Characterization of Carbon Molecular Sieve Membranes Supported on Ceramic Tubes. <i>Adsorption Science and Technology</i> , 2013 , 31, 233-247	3.5	1
279	Chemical versus physical activation of coconut shell: A comparative study. <i>Microporous and Mesoporous Materials</i> , 2012 , 152, 163-171	5.2	113
278	Effect of pore structure on the selectivity of carbon materials for the separation of CO ₂ /H ₂ mixtures: new insights from molecular simulation. <i>RSC Advances</i> , 2012 , 2, 9671	3.6	17
277	Diffusion-barrier-free porous carbon monoliths as a new form of activated carbon. <i>ChemSusChem</i> , 2012 , 5, 2271-7	8.2	7
276	A site energy distribution function for the characterization of the continuous distribution of binding sites for gases on a heterogeneous surface. <i>RSC Advances</i> , 2012 , 2, 784-788	3.6	2

275	Formation of CO(x)-free H ₂ and cup-stacked carbon nanotubes over nano-Ni dispersed single wall carbon nanohorns. <i>Langmuir</i> , 2012 , 28, 7564-71	3.9	6
274	Ce promoted Pd/Nb catalysts for Valerolactone ring-opening and hydrogenation. <i>Green Chemistry</i> , 2012 , 14, 3318	9.9	35
273	Ethanol steam reforming on Ni/Al ₂ O ₃ catalysts: effect of the addition of Zn and Pt. <i>Journal of Colloid and Interface Science</i> , 2012 , 383, 148-54	9.1	33
272	Effect of Pore Morphology on the Adsorption of Methane/Hydrogen Mixtures on Carbon Micropores. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 11820-11829	3.7	51
271	CO ₂ adsorption on carbon molecular sieves. <i>Microporous and Mesoporous Materials</i> , 2012 , 164, 280-287	5.2	82
270	Low-Pressure Hysteresis in Adsorption: An Artifact?. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 16652-16655	5.5	74
269	Novel Carbon Materials for CO ₂ Adsorption 2012 , 583-603		3
268	Well-defined mesoporosity on lignocellulosic-derived activated carbons. <i>Carbon</i> , 2012 , 50, 66-72	10.1	32
267	The effect of the parent graphite on the structure of graphene oxide. <i>Carbon</i> , 2012 , 50, 275-282	10.1	165
266	Physical characterization of activated carbons with narrow microporosity by nitrogen (77.4K), carbon dioxide (273K) and argon (87.3K) adsorption in combination with immersion calorimetry. <i>Carbon</i> , 2012 , 50, 3128-3133	10.1	104
265	Water gas shift reaction on carbon-supported Pt catalysts promoted by CeO ₂ . <i>Catalysis Today</i> , 2012 , 180, 19-24	5.2	28
264	Ultrahigh CO ₂ adsorption capacity on carbon molecular sieves at room temperature. <i>Chemical Communications</i> , 2011 , 47, 6840-2	5.7	153
263	Ammonia removal using activated carbons: effect of the surface chemistry in dry and moist conditions. <i>Environmental Science & Technology</i> , 2011 , 45, 10605-10	10.2	79
262	Guest diffusion in interpenetrating networks of micro- and mesopores. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2437-43	16	30
261	Anomaly of CH ₄ molecular assembly confined in single-wall carbon nanohorn spaces. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2022-4	16	31
260	Molecular simulations to study the effect of pore geometry and structure on the adsorption of CH ₄ /H ₂ mixtures in carbon pores. <i>Nature Precedings</i> , 2011 ,		1
259	Jorge (Giorgio) Zgrablich. <i>Adsorption Science and Technology</i> , 2011 , 29, 423-424	3.5	0
258	Molecular Simulation of Hydrogen Physisorption and Chemisorption in Nanoporous Carbon Structures. <i>Adsorption Science and Technology</i> , 2011 , 29, 799-817	3.5	26

257	Controlled release of phenytoin for epilepsy treatment from titania and silica based materials. <i>Materials Chemistry and Physics</i> , 2011 , 126, 922-929	4.3	15
256	A site energy distribution function from Toth isotherm for adsorption of gases on heterogeneous surfaces. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 5753-9	3.5	48
255	Evaluation of a mixed geometry model for the characterization of activated carbons. <i>Adsorption</i> , 2011 , 17, 551-560	2.5	7
254	Mercury removal from aqueous solution by adsorption on activated carbons prepared from olive stones. <i>Adsorption</i> , 2011 , 17, 603-609	2.5	31
253	Effect of nanoscale curvature sign and bundle structure on supercritical H ₂ and CH ₄ adsorptivity of single wall carbon nanotube. <i>Adsorption</i> , 2011 , 17, 643-651	2.5	9
252	Heat of adsorption and binding affinity for hydrogen on pitch-based activated carbons. <i>Chemical Engineering Journal</i> , 2011 , 168, 972-978	14.6	18
251	Immersion calorimetry as a tool to evaluate the catalytic performance of titanosilicate materials in the epoxidation of cyclohexene. <i>Langmuir</i> , 2011 , 27, 3618-25	3.9	21
250	Influence of water/alkoxide ratio in the synthesis of nanosized sol-gel titania on the release of phenytoin. <i>Langmuir</i> , 2011 , 27, 4004-9	3.9	9
249	The evidence of NMR diffusometry on pore space heterogeneity in activated carbon. <i>Microporous and Mesoporous Materials</i> , 2011 , 141, 184-191	5.2	9
248	Oxidation of activated carbon with aqueous solution of sodium dichloroisocyanurate: Effect on ammonia adsorption. <i>Microporous and Mesoporous Materials</i> , 2011 , 142, 577-584	5.2	18
247	Influence of the surface chemistry of activated carbons on the ATRP catalysis of methyl methacrylate polymerization. <i>Applied Catalysis A: General</i> , 2011 , 397, 225-233	5.1	5
246	Effect of the support, Al ₂ O ₃ or SiO ₂ , on the catalytic behaviour of Cr ₂ O ₃ promoted Pt catalysts in the selective hydrogenation of cinnamaldehyde. <i>Applied Catalysis A: General</i> , 2011 , 402, 50-58	5.1	27
245	Comparison of nanostructured titania matrices obtained by carbon template and sol-gel methods for controlled release of fluoxetine. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 5508-14	1.2	1
244	Manufacture of Biomorphic SiC Components with Homogeneous Properties from Sawdust by Reactive Infiltration with Liquid Silicon. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 1003-1009	3.8	25
243	A Continuous Binding Site Affinity Distribution Function from the Freundlich Isotherm for the Supercritical Adsorption of Hydrogen on Activated Carbon. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 13759-13765	3.7	10
242	A continuous site energy distribution function from Redlich-Peterson isotherm for adsorption on heterogeneous surfaces. <i>Chemical Physics Letters</i> , 2010 , 492, 187-192	2.4	25
241	Adsorption on heterogeneous surfaces: site energy distribution functions from Fritz-Schlönder isotherms. <i>ChemPhysChem</i> , 2010 , 11, 2555-60	3.1	5
240	High-surface-area carbon molecular sieves for selective CO ₂ adsorption. <i>ChemSusChem</i> , 2010 , 3, 974-81.2	8.2	282

239	Effect of the metal precursor on the properties of Ru/ZnO catalysts. <i>Applied Catalysis A: General</i> , 2010 , 374, 221-227	5.1	25
238	Modification of activated carbon hydrophobicity by pyrolysis of propene. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010 , 89, 17-21	5.9	19
237	Influence of the porous structure of activated carbons in the activity of ATRP catalyst for methyl methacrylate polymerization. <i>Catalysis Today</i> , 2010 , 150, 42-48	5.2	6
236	Neural network and principal component analysis for modeling of hydrogen adsorption isotherms on KOH activated pitch-based carbons containing different heteroatoms. <i>Chemical Engineering Journal</i> , 2010 , 159, 272-279	14.6	13
235	Hybrid isotherms for adsorption and capillary condensation of N ₂ at 77K on porous and non-porous materials. <i>Chemical Engineering Journal</i> , 2010 , 162, 424-429	14.6	42
234	High saturation capacity of activated carbons prepared from mesophase pitch in the removal of volatile organic compounds. <i>Carbon</i> , 2010 , 48, 548-556	10.1	43
233	Hydrogen adsorption on KOH activated carbons from mesophase pitch containing Si, B, Ti or Fe. <i>Carbon</i> , 2010 , 48, 636-644	10.1	33
232	Catalytic nanomedicine: a new field in antitumor treatment using supported platinum nanoparticles. In vitro DNA degradation and in vivo tests with C6 animal model on Wistar rats. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 1982-90	6.5	38
231	Benefit of Microscopic Diffusion Measurement for the Characterization of Nanoporous Materials. <i>Chemical Engineering and Technology</i> , 2009 , 32, 1494-1511	2	26
230	Selective Hydrogenation of Cinnamaldehyde over (111) Preferentially Oriented Pt Particles Supported on Expanded Graphite. <i>Catalysis Letters</i> , 2009 , 133, 267-272	2.7	29
229	Synthesis of activated carbon with highly developed mesoporosity. <i>Microporous and Mesoporous Materials</i> , 2009 , 117, 519-521	5.2	61
228	Ethanol removal using activated carbon: Effect of porous structure and surface chemistry. <i>Microporous and Mesoporous Materials</i> , 2009 , 120, 62-68	5.2	83
227	Characterization of carbon materials with the help of NMR methods. <i>Microporous and Mesoporous Materials</i> , 2009 , 120, 91-97	5.2	15
226	The role of carbon biotemplate density in mechanical properties of biomorphic SiC. <i>Journal of the European Ceramic Society</i> , 2009 , 29, 465-472	6	29
225	Preparation of activated carbon from date pits: Effect of the activation agent and liquid phase oxidation. <i>Journal of Analytical and Applied Pyrolysis</i> , 2009 , 86, 168-172	5.9	60
224	An activated carbon monolith as an electrode material for supercapacitors. <i>Carbon</i> , 2009 , 47, 195-200	10.1	140
223	The combined effect of porosity and reactivity of the carbon preforms on the properties of SiC produced by reactive infiltration with liquid Si. <i>Carbon</i> , 2009 , 47, 2200-2210	10.1	45
222	A Highly Reusable Carbon-Supported Platinum Catalyst for the Hydrogen-Transfer Reduction of Ketones. <i>ChemCatChem</i> , 2009 , 1, 75-77	5.1	32

221	Carbon Molecular Sieves Prepared from Polymeric Precursors: Porous Structure and Hydrogen Adsorption Properties. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 7125-7131	3.9	21
220	Is there any microporosity in ordered mesoporous silicas?. <i>Langmuir</i> , 2009 , 25, 939-43	3.9	52
219	Spectroscopic and microcalorimetric study of a TiO ₂ -supported platinum catalyst. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 917-20	3.5	19
218	Adsorptivities of Extremely High Surface Area Activated Carbon Fibres for CH ₄ and H ₂ . <i>Adsorption Science and Technology</i> , 2009 , 27, 877-881	3.5	12
217	Hydrogenation of α -unsaturated aldehydes over polycrystalline, (111) and (100) preferentially oriented Pt nanoparticles supported on carbon. <i>Journal of Catalysis</i> , 2008 , 253, 159-166	7.3	86
216	Enhancing the catalytic performance of Pt/ZnO in the selective hydrogenation of cinnamaldehyde by Cr addition to the support. <i>Journal of Catalysis</i> , 2008 , 258, 52-60	7.3	59
215	Platinum nanoparticles supported on titania as an efficient hydrogen-transfer catalyst. <i>Journal of Catalysis</i> , 2008 , 260, 113-118	7.3	50
214	Preparation and characterization of CeO ₂ highly dispersed on activated carbon. <i>Materials Research Bulletin</i> , 2008 , 43, 1850-1857	5	65
213	Carbon as Catalyst Support 2008 , 131-155		10
212	Enhancing the catalytic performance of Pt/ZnO in the vapour phase hydrogenation of crotonaldehyde by the addition of Cr to the support. <i>Catalysis Communications</i> , 2008 , 9, 1243-1246	3.1	24
211	Low Temperature Catalytic Adsorption of SO ₂ on Activated Carbon. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 15335-15340	3.7	35
210	Decreasing the infiltration threshold pressure of Al ₂ O ₃ /2wt% Si into alumina particle compacts by Sn or Pb layers. <i>Composites Science and Technology</i> , 2008 , 68, 75-79	8.5	8
209	The effect of the cerium precursor and the carbon surface chemistry on the dispersion of ceria on activated carbon. <i>Journal of Materials Science</i> , 2008 , 43, 1525-1531	4.2	16
208	Sinterability enhancement in semicokes obtained by controlled pyrolysis of a petroleum residue. <i>Journal of Analytical and Applied Pyrolysis</i> , 2008 , 82, 163-169	5.9	3
207	Preparation of graphite/nano-SiC composites by co-pyrolysis of a petroleum residue with phenylsilanes. <i>Journal of Analytical and Applied Pyrolysis</i> , 2008 , 83, 137-144	5.9	3
206	Porosity development along the synthesis of carbons from metal carbides. <i>Microporous and Mesoporous Materials</i> , 2008 , 113, 14-21	5.2	56
205	Pt/Ta ₂ O ₅ /ZrO ₂ catalysts for vapour phase selective hydrogenation of crotonaldehyde. <i>Applied Catalysis A: General</i> , 2008 , 349, 165-169	5.1	29
204	Zn-modified MCM-41 as support for Pt catalysts. <i>Applied Catalysis A: General</i> , 2008 , 351, 16-23	5.1	30

203	Production of binderless activated carbon monoliths by KOH activation of carbon mesophase materials. <i>Carbon</i> , 2008 , 46, 384-386	10.1	50
202	Possible errors in microporosity in chemically activated carbon deduced from immersion calorimetry. <i>Carbon</i> , 2008 , 46, 329-334	10.1	10
201	Effect of tin content and reduction temperature on the catalytic behaviour of PtSn/TiO ₂ catalysts in the vapour-phase hydrogenation of crotonaldehyde. <i>Catalysis Today</i> , 2008 , 133-135, 35-41	5.2	29
200	Multi-step loading of titania on mesoporous silica: Influence of the morphology and the porosity on the catalytic degradation of aqueous pollutants and VOCs. <i>Applied Catalysis B: Environmental</i> , 2008 , 84, 125-132	21.7	29
199	Preparation of granular activated carbons for adsorption of natural gas. <i>Microporous and Mesoporous Materials</i> , 2008 , 109, 581-584	5.2	67
198	Carbon molecular sieves as model active electrode materials in supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2008 , 110, 431-435	5.2	25
197	Correlation of methane uptake with microporosity and surface area of chemically activated carbons. <i>Microporous and Mesoporous Materials</i> , 2008 , 115, 603-608	5.2	39
196	Wetting and capillarity in the Sn/graphite system. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 495, 187-191	5.2	14
195	Pore filling in graphite particle compacts infiltrated with Al ₁₂ wt.%Si and Al ₁₂ wt.%Si ₁₂ wt.%Cu alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 495, 276-281	5.2	14
194	Liquid-Phase Adsorption/Oxidation of Sulfur-Containing Species by Activated Carbon. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2008 , 107-118	0.3	2
193	Surface Complexes Formed during Simultaneous Catalytic Adsorption of NO and SO ₂ on Activated Carbons at Low Temperatures. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 1417-1423	3.7	31
192	Influence of the preparation method on the catalytic behaviour of PtSn/TiO ₂ catalysts. <i>Catalysis Today</i> , 2007 , 123, 235-244	5.2	31
191	Liquid phase removal of propanethiol by activated carbon: Effect of porosity and functionality. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007 , 300, 180-190	5	23
190	Modification of the porous structure along the preparation of activated carbon monoliths with H ₃ PO ₄ and ZnCl ₂ . <i>Microporous and Mesoporous Materials</i> , 2007 , 103, 29-34	5.2	111
189	PtSn catalysts supported on highly-dispersed ceria on carbon. <i>Journal of Molecular Catalysis A</i> , 2007 , 268, 227-234		42
188	Preparation of mesophase pitch doped with TiO ₂ or TiC particles. <i>Journal of Analytical and Applied Pyrolysis</i> , 2007 , 80, 477-484	5.9	18
187	Bimetallic PtSn/C catalysts promoted by ceria: Application in the nonoxidative dehydrogenation of isobutane. <i>Journal of Catalysis</i> , 2007 , 246, 158-165	7.3	71
186	Infiltration of graphite preforms with AlSi eutectic alloy and mercury. <i>Scripta Materialia</i> , 2007 , 56, 991-994	3.5	31

185	Reducing Threshold Pressure for Infiltration of Al-12Si Alloys into Carbon Particle Compacts by Placing a Thin Layer of Sn at the Infiltration Front. <i>Materials Science Forum</i> , 2007 , 539-543, 785-790	0.4	1
184	Effect of thermal treatments on the surface chemistry of oxidized activated carbons. <i>Studies in Surface Science and Catalysis</i> , 2007 , 129-136	1.8	4
183	Effect of carbon-oxygen and carbon-sulphur surface complexes on the adsorption of mercuric chloride in aqueous solutions by activated carbons. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 32, 575-579		42
182	Kinetic Restrictions in the Characterization of Narrow Microporosity in Carbon Materials. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 3803-3805	3.7	49
181	Low-temperature catalytic adsorption of NO on activated carbon materials. <i>Langmuir</i> , 2007 , 23, 12131-73.9		31
180	Active carbons from almond shells as adsorbents in gas and liquid phases. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 30, 65-72		47
179	Effect of the support composition on the vapor-phase hydrogenation of crotonaldehyde over Pt/CexZr1-xO2 catalysts. <i>Journal of Catalysis</i> , 2006 , 241, 45-55	7.3	66
178	Effect of Sn addition to Pt/CeO2/Al2O3 and Pt/Al2O3 catalysts: An XPS, 119Sn Mössbauer and microcalorimetry study. <i>Journal of Catalysis</i> , 2006 , 241, 378-388	7.3	104
177	Characterization of Lightweight Graphite Based Composites Using X-Ray Microtomography. <i>Advanced Engineering Materials</i> , 2006 , 8, 491-495	3.4	8
176	Activated Carbon (Origins) 2006 , 13-86		306
175	Characterization of Activated Carbon 2006 , 143-242		41
174	Activation Processes (Chemical) 2006 , 322-365		35
173	Applicability of Activated Carbon 2006 , 383-453		15
172	Porosity in Carbons: Modeling 2006 , 87-142		6
171	Activation Processes (Thermal or Physical) 2006 , 243-321		29
170	SEM and TEM Images of Structures in Activated Carbons 2006 , 366-382		1
169	Production and Reference Material 2006 , 454-508		19
168	Development of porosity in a char during reaction with steam or supercritical water. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 12360-4	3.3	23

167	Carbon foam prepared by pyrolysis of olive stones under steam. <i>Carbon</i> , 2006 , 44, 1448-1454	10.1	73
166	Pressure infiltration of Al-2wt.% Si _x (X=Cu, Ti, Mg) alloys into graphite particle preforms. <i>Acta Materialia</i> , 2006 , 54, 1821-1831	8.3	71
165	Effect of the presence of chlorine in bimetallic PtZn/CeO ₂ catalysts for the vapor-phase hydrogenation of crotonaldehyde. <i>Applied Catalysis A: General</i> , 2006 , 304, 159-167	5.1	43
164	Influence of mesophase activation conditions on the specific capacitance of the resulting carbons. <i>Journal of Power Sources</i> , 2006 , 156, 719-724	8.8	21
163	POROUS CARBONS IN GAS SEPARATION AND STORAGE 2006 , 133-144		5
162	Contribution to the evaluation of density of methane adsorbed on activated carbon. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 20227-31	3.3	35
161	Modification of the catalytic behaviour of platinum by zinc in crotonaldehyde hydrogenation and iso-butane dehydrogenation. <i>Applied Catalysis A: General</i> , 2005 , 292, 244-251	5.1	50
160	Carbon molecular sieves from hardwood carbon pellets. The influence of carbonization temperature in gas separation properties. <i>Microporous and Mesoporous Materials</i> , 2005 , 81, 161-167	5.2	25
159	Preparation of Carbon Molecular Sieves by Pyrolytic Carbon Deposition. <i>Adsorption</i> , 2005 , 11, 663-667	2.5	14
158	Pressure infiltration of Al-Si alloys into compacts made of carbon particles. <i>Journal of Materials Science</i> , 2005 , 40, 2519-2523	4.2	16
157	Adsorption of methane into ZnCl ₂ -activated carbon derived discs. <i>Microporous and Mesoporous Materials</i> , 2004 , 76, 185-191	5.2	57
156	Synthesis of mixed disilicides/SiC composites by displacement reaction between metal carbides and silicon. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 380, 62-66	5.2	9
155	Influence of Zn on the characteristics and catalytic behavior of TiO ₂ -supported Pt catalysts. <i>Journal of Catalysis</i> , 2004 , 223, 179-190	7.3	67
154	Role of chemical activation in the development of carbon porosity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004 , 241, 15-25	5	434
153	Adsorption of NH ₃ and H ₂ S on activated carbon and activated carbon-epiolite pellets. <i>Carbon</i> , 2004 , 42, 448-450	10.1	27
152	Chemistry of the co-pyrolysis of an aromatic petroleum residue with a pyridine-Borane complex. <i>Carbon</i> , 2003 , 41, 549-561	10.1	4
151	Effect of boron carbide particle addition on the thermomechanical behavior of carbon matrix silicon carbide particle composites. <i>Carbon</i> , 2003 , 41, 1096-1099	10.1	4
150	Phosphoric acid activated carbon discs for methane adsorption. <i>Carbon</i> , 2003 , 41, 2113-2119	10.1	64

149	Controlled Opening of Single-Wall Carbon Nanohorns by Heat Treatment in Carbon Dioxide. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 4479-4484	3.3	66
148	Infrared study of CO and 2-butenal co-adsorption on Zn modified Pt/CeO ₂ /SiO ₂ catalysts. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 208-216	3.5	20
147	Carbon molecular sieves from Eucalyptus globulus charcoal. <i>Microporous and Mesoporous Materials</i> , 2002 , 56, 139-145	5.2	38
146	Controlling carbon microporosity: the structure of carbons obtained from different phenolic resin precursors. <i>Carbon</i> , 2002 , 40, 743-749	10.1	52
145	Catalytic oxidation of Fe(II) by activated carbon in the presence of oxygen.. <i>Carbon</i> , 2002 , 40, 2827-2834	10.1	48
144	Modification of the sintering behaviour of mesophase powder from a petroleum residue. <i>Carbon</i> , 2002 , 40, 2843-2853	10.1	10
143	Cluster-mediated filling of water vapor in intratube and interstitial nanospaces of single-wall carbon nanohorns. <i>Chemical Physics Letters</i> , 2002 , 366, 463-468	2.4	79
142	Improved Metal-Support Interaction in Pt/CeO ₂ /SiO ₂ Catalysts after Zinc Addition. <i>Journal of Catalysis</i> , 2002 , 210, 127-136	7.3	117
141	Vapor-Phase Hydrogenation of Crotonaldehyde on Titania-Supported Pt and PtSn SMSI Catalysts. <i>Journal of Catalysis</i> , 2002 , 212, 94-103	7.3	71
140	Production of High-Strength Carbon Artifacts from Petroleum Residues: Influence of the Solvent Used to Prepare Mesophase Powder. <i>Energy & Fuels</i> , 2002 , 16, 1087-1094	4	5
139	Nearly space-filling fractal networks of carbon nanopores. <i>Physical Review Letters</i> , 2002 , 88, 115502	7.3	71
138	Textural and chemical characterization of NaX zeolite exchanged with Zn(II) ions. <i>Studies in Surface Science and Catalysis</i> , 2002 , 144, 107-114	1.8	1
137	Porous structure of a sepiolite as deduced from the adsorption of N ₂ , CO ₂ , NH ₃ and H ₂ O. <i>Microporous and Mesoporous Materials</i> , 2001 , 47, 389-396	5.2	33
136	Characterization of microporous solids by immersion calorimetry. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001 , 187-188, 151-165	5	100
135	Pyrolysis of petroleum residues: III. Kinetics of pyrolysis. <i>Carbon</i> , 2001 , 39, 61-71	10.1	19
134	Preparation of activated carbon cloth from viscous rayon. <i>Carbon</i> , 2001 , 39, 389-398	10.1	64
133	Co-pyrolysis of an aromatic petroleum residue with triphenylsilane. <i>Carbon</i> , 2001 , 39, 1001-1011	10.1	11
132	CO ₂ activation of olive stones carbonized under pressure. <i>Carbon</i> , 2001 , 39, 320-323	10.1	30

131	Preparation of activated carbon-sepiolite pellets. <i>Carbon</i> , 2001 , 39, 776-779	10.1	13
130	Activated Carbon and Adsorption 2001 , 22-34		16
129	Microcalorimetric, reaction kinetics and DFT studies of Pt ₂ /X-zeolite for isobutane dehydrogenation. <i>Catalysis Letters</i> , 2001 , 74, 17-25	2.7	28
128	Hydrogen spillover in Pt-Sn catalysts supported on activated carbon cloth.. <i>Studies in Surface Science and Catalysis</i> , 2001 , 138, 275-282	1.8	6
127	POROUS CARBONS IN ADSORPTION AND CATALYSIS 2001 , 309-355		18
126	Sepiolite-based adsorbents as humidity controller. <i>Applied Clay Science</i> , 2001 , 20, 111-118	5.1	61
125	Vapour phase hydrogenation of crotonaldehyde over magnesia-supported platinum catalysts. <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 1782-1788	3.5	39
124	Preparation of carbon molecular sieves by controlled oxidation treatments. <i>Carbon</i> , 2000 , 38, 1889-1892	10.1	23
123	Preparation of activated carbon cloths from viscous rayon. Part II: physical activation processes. <i>Carbon</i> , 2000 , 38, 379-395	10.1	57
122	Preparation of activated carbon cloths from viscous rayon: Part III. Effect of carbonization on CO ₂ activation. <i>Carbon</i> , 2000 , 38, 397-406	10.1	35
121	Pyrolysis of petroleum residues. <i>Carbon</i> , 2000 , 38, 535-546	10.1	73
120	Use of immersion calorimetry to evaluate the separation ability of carbon molecular sieves. <i>Studies in Surface Science and Catalysis</i> , 2000 , 128, 303-312	1.8	16
119	Preparation and characterization of carbon-supported Pt-CeO ₂ catalysts. <i>Studies in Surface Science and Catalysis</i> , 2000 , 130, 1013-1018	1.8	14
118	Crotonaldehyde hydrogenation over alumina- and silica-supported Pt catalysts of different composition. In situ DRIFT study. <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 3063-3069	3.5	50
117	Synthesis of a (MoSi ₂ , Mo ₅ Si ₃)/SiC Composite Using an In Situ Solid-State Displacement Reaction between Mo ₂ C and Si.. <i>Journal of the Ceramic Society of Japan</i> , 2000 , 108, 957-959		10
116	Semicokes from pitch pyrolysis: mechanisms and kinetics. <i>Carbon</i> , 1999 , 37, 363-390	10.1	101
115	Influence of pressure variations on the formation and development of mesophase in a petroleum residue. <i>Carbon</i> , 1999 , 37, 445-455	10.1	24
114	Preparation of activated carbon cloths from viscous rayon. Part I. Carbonization procedures. <i>Carbon</i> , 1999 , 37, 1275-1283	10.1	72

113	Pyrolysis of petroleum residues: I. Yields and product analyses. <i>Carbon</i> , 1999 , 37, 1567-1582	10.1	42
112	Influence of the carbon material on the synthesis of silicon carbide. <i>Carbon</i> , 1999 , 37, 1771-1778	10.1	34
111	Pyrolysis of petroleum residues: analysis of semicokes by X-ray diffraction. <i>Carbon</i> , 1999 , 37, 1627-1632	10.1	34
110	Self-sintering of carbon mesophase powders: effect of extraction/washing with solvents. <i>Carbon</i> , 1999 , 37, 1662-1665	10.1	16
109	Adsorption/Desorption of water vapor by natural and heat-treated sepiolite in ambient air. <i>Applied Clay Science</i> , 1999 , 15, 367-380	5.1	58
108	An X-ray scattering investigation of the carbonization of olive stones. <i>Carbon</i> , 1998 , 36, 67-70	10.1	7
107	Delayed coking: Industrial and laboratory aspects. <i>Carbon</i> , 1998 , 36, 105-116	10.1	50
106	The role of carbon materials in heterogeneous catalysis. <i>Carbon</i> , 1998 , 36, 159-175	10.1	1394
105	Gas phase hydrogenation of crotonaldehyde over platinum supported on oxidized carbon black. <i>Carbon</i> , 1998 , 36, 1011-1019	10.1	35
104	Effect of Oxygen Surface Groups on the Immersion Enthalpy of Activated Carbons in Liquids of Different Polarity. <i>Langmuir</i> , 1997 , 13, 2354-2358	3.9	71
103	Gas phase hydrogenation of crotonaldehyde over Pt/Activated carbon catalysts. Influence of the oxygen surface groups on the support. <i>Applied Catalysis A: General</i> , 1997 , 150, 165-183	5.1	116
102	Effect of steam activation on the porosity and chemical nature of activated carbons from Eucalyptus globulus and peach stones. <i>Microporous Materials</i> , 1997 , 8, 123-130		75
101	CO ₂ activation of olive stones carbonized under different experimental conditions. <i>Carbon</i> , 1997 , 35, 159-162	10.1	69
100	Ultramicropore Characterization of Microporous Carbons by Low-Temperature Helium Adsorption. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 10331-10336		58
99	A new route for the synthesis of SiC/MoSi ₂ ceramic composite materials. <i>Chemical Communications</i> , 1996 , 1667-1668	5.7	3
98	Development of porosity in combined phosphoric acid-carbon dioxide activation. <i>Carbon</i> , 1996 , 34, 457-462	10.1	93
97	Effect of steam and carbon dioxide activation in the micropore size distribution of activated carbon. <i>Carbon</i> , 1996 , 34, 505-509	10.1	267
96	Crotonaldehyde hydrogenation over bimetallic Pt/Sn catalysts supported on pregraphitized carbon black. Effect of the Sn/Pt atomic ratio. <i>Applied Catalysis A: General</i> , 1996 , 136, 231-248	5.1	101

95	Crotonaldehyde hydrogenation over bimetallic Pt?Sn catalysts supported on pregraphitized carbon black. Effect of the preparation method. <i>Applied Catalysis A: General</i> , 1996 , 148, 63-80	5.1	111
94	Synthesis of SiC from rice husks catalysed by iron, cobalt or nickel. <i>Journal of Materials Science</i> , 1996 , 31, 779-784	4.2	67
93	Improvement of the selectivity to crotyl alcohol in the gas-phase hydrogenation of crotonaldehyde over platinum/activated carbon catalysts. <i>Applied Catalysis A: General</i> , 1995 , 123, L1-L5	5.1	28
92	Heat-Treated Carbon-Blacks as Supports for Platinum Catalysts. <i>Journal of Catalysis</i> , 1995 , 154, 299-305	7.3	121
91	Synthesis of Bialon from coals or natural graphite. <i>Journal of Materials Research</i> , 1995 , 10, 727-735	2.5	8
90	Correlation between Surface Areas and Micropore Volumes of Activated Carbons Obtained from Physical Adsorption and Immersion Calorimetry. <i>Langmuir</i> , 1995 , 11, 2151-2155	3.9	44
89	Porosity in granular carbons activated with phosphoric acid. <i>Carbon</i> , 1995 , 33, 1105-1113	10.1	275
88	Adsorption of CO ₂ and SO ₂ on activated carbons with a wide range of micropore size distribution. <i>Carbon</i> , 1995 , 33, 1777-1782	10.1	52
87	The use of steam and CO ₂ as activating agents in the preparation of activated carbons. <i>Carbon</i> , 1995 , 33, 15-23	10.1	444
86	Porosity of activated carbons prepared from different lignocellulosic materials. <i>Carbon</i> , 1995 , 33, 1175-1177	10.1	45
85	Influence of the atmosphere used in the carbonization of phosphoric acid impregnated peach stones. <i>Carbon</i> , 1995 , 33, 1180-1182	10.1	35
84	A new parameter relating the properties of semicokes and the resulting sintered carbons. <i>Carbon</i> , 1995 , 33, 1182-1184	10.1	2
83	Impregnation of activated carbon with chromium and copper salts: Effect of porosity and metal content. <i>Carbon</i> , 1994 , 32, 1259-1265	10.1	45
82	Steam activation of olive stone chars, development of porosity. <i>Carbon</i> , 1994 , 32, 1407-1413	10.1	60
81	Mo-promoted Fe/activated carbon catalysts for carbon monoxide hydrogenation. <i>Journal of Molecular Catalysis</i> , 1994 , 90, 291-301		10
80	Preparation of Platinum Supported on Pregraphitized Carbon Blacks. <i>Langmuir</i> , 1994 , 10, 750-755	3.9	166
79	Synthesis of BSiALON from clays: effect of starting materials. <i>Journal of Materials Chemistry</i> , 1994 , 4, 1137-1141		10
78	A lattice-gas model for adsorption in microporous solids. <i>Studies in Surface Science and Catalysis</i> , 1994 , 87, 573-581	1.8	6

77	Pt-C Interaction in Catalyst Supported on a Carbon Black Subjected to Different Heat Treatments. <i>Studies in Surface Science and Catalysis</i> , 1993 , 2103-2106	1.8	2
76	Effect of carbon properties on the preparation and activity of carbon-supported molybdenum sulfide catalysts. <i>Carbon</i> , 1993 , 31, 1099-1105	10.1	25
75	Effect of microporosity and oxygen surface groups of activated carbon in the adsorption of molecules of different polarity. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 2707-2713		134
74	Activated carbons from lignocellulosic materials by chemical and/or physical activation: an overview. <i>Carbon</i> , 1992 , 30, 1111-1118	10.1	453
73	Characterization of Microporosity and Surface Homogeneity by The Study of Argon and Nitrogen Isotherm Crossing and Measurement of Differential Enthalpies of Adsorption. <i>Studies in Surface Science and Catalysis</i> , 1991 , 62, 311-317	1.8	
72	Evaluation of Microporosity in Activated Carbons with High ASH (Cr ₂ O ₃) CONTENT. <i>Studies in Surface Science and Catalysis</i> , 1991 , 449-457	1.8	2
71	Effect of carbon support and mean Pt particle size on hydrogen chemisorption by carbon-supported Pt catalysts. <i>Journal of Catalysis</i> , 1991 , 128, 397-404	7.3	78
70	Effect of chromium addition on the behaviour of iron/activated carbon catalysts for carbon monoxide hydrogenation. <i>Applied Catalysis</i> , 1991 , 77, 95-108		5
69	Preparation of activated carbon by chemical activation with ZnCl ₂ . <i>Carbon</i> , 1991 , 29, 999-1007	10.1	371
68	Modification in Porous Texture and Oxygen Surface Groups of Activated Carbons by Oxidation. <i>Studies in Surface Science and Catalysis</i> , 1991 , 329-339	1.8	10
67	Further Comments on Low Pressure Hysteresis in Activated Carbons: Effect of Preparation Method. <i>Studies in Surface Science and Catalysis</i> , 1991 , 62, 419-427	1.8	3
66	Comparative Studies of the Microporous Structure Parameters Evaluated from the Adsorption Isotherms of Various Adsorbates on Activated Carbons. <i>Studies in Surface Science and Catalysis</i> , 1991 , 62, 469-476	1.8	
65	Continuous versus static automatic mode of gas adsorption on porous carbons. <i>Langmuir</i> , 1991 , 7, 350-353	3.3	5
64	Controlled Gasification of Carbon and Pore Structure Development 1991 , 533-571		22
63	Effect of support porosity in the preparation and catalytic activity for CO hydrogenation of carbon-supported Fe catalysts. <i>Catalysis Today</i> , 1990 , 7, 287-298	5.2	15
62	The effect of oxygen surface groups of the support on platinum dispersion in Pt/carbon catalysts. <i>Journal of Catalysis</i> , 1989 , 115, 98-106	7.3	231
61	A comparison of two reference materials for adsorption of nitrogen on activated carbons. <i>Carbon</i> , 1989 , 27, 297-299	10.1	4
60	Application of a reference material to the characterization of porous carbons. <i>Fuel</i> , 1989 , 68, 204-208	7	19

59	Comite internacional para la caracterizacion y la terminologia del carbon. <i>Carbon</i> , 1989 , 27, 305-312	10.1	8
58	The combined use of different approaches in the characterization of microporous carbons. <i>Carbon</i> , 1989 , 27, 23-32	10.1	156
57	Carbon-supported, [alkali metal] [Fe ₂ Mn(CO) ₁₂]-derived catalysts. <i>Applied Catalysis</i> , 1989 , 51, 93-112		8
56	Parameters of microporous structure of carbonaceous adsorbents gasified with air or carbon dioxide. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1989 , 85, 3125		10
55	An overview of methods for the characterization of activated carbons. <i>Pure and Applied Chemistry</i> , 1989 , 61, 1859-1866	2	26
54	The adsorption of N ₂ and CO ₂ on PAN carbons. <i>Carbon</i> , 1988 , 26, 905-906	10.1	2
53	The role of nitrogen and oxygen surface groups in the behavior of carbon-supported iron and ruthenium catalysts. <i>Carbon</i> , 1988 , 26, 417-423	10.1	30
52	Adsorption of substituted phenols on activated carbon. <i>Journal of Colloid and Interface Science</i> , 1988 , 124, 528-534	9.1	119
51	Carbon Dioxide Subtraction (CDS) Method Applied to A Wide Range of Porous Carbons. <i>Studies in Surface Science and Catalysis</i> , 1988 , 173-182	1.8	2
50	A standard adsorption isotherm for the characterization of activated carbons. <i>The Journal of Physical Chemistry</i> , 1987 , 91, 515-516		227
49	Use of nitrogen vs. carbon dioxide in the characterization of activated carbons. <i>Langmuir</i> , 1987 , 3, 76-81	3.9	415
48	The effect of gasification by air (623 K) or CO ₂ (1098 K) in the development of microporosity in activated carbons. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1987 , 83, 1081		29
47	Platinum catalysts supported on activated carbons II. Isomerization and hydrogenolysis of n-butane. <i>Journal of Catalysis</i> , 1987 , 107, 1-7	7.3	29
46	Application of the isotherm subtraction and preadsorption methods to activated carbons. <i>Carbon</i> , 1986 , 24, 255-259	10.1	18
45	Adsorption of hydrocarbons on CO ₂ -reacted activated carbons. <i>Carbon</i> , 1986 , 24, 469-475	10.1	16
44	Unusual increase in CO ₂ reactivity, relative to steam and air on acid treatment of coals. <i>Fuel</i> , 1986 , 65, 1345-1348	7	4
43	Platinum catalysts supported on activated carbons I. Preparation and characterization. <i>Journal of Catalysis</i> , 1986 , 99, 171-183	7.3	123
42	A new working procedure to calculate pore size distributions. <i>Journal of Catalysis</i> , 1986 , 99, 226-230	7.3	2

41	Hydrogenation of CO ₂ on Fe/carbon catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1986 , 31, 349-354		5
40	Effect of hydrogen reduction on the surface characteristics of carbon-supported iron and ruthenium catalysts. <i>Applied Catalysis</i> , 1986 , 23, 299-307		13
39	Hydrogenation of CO on carbon-supported iron catalysts prepared from iron penta-carbonyl. <i>Applied Catalysis</i> , 1986 , 21, 251-261		23
38	Preparation and Characterization of Activated Carbons 1986 , 601-642		12
37	Evaluation of the microporosity in activated carbons by n-nonane preadsorption. <i>Journal of Colloid and Interface Science</i> , 1985 , 106, 315-323	9.1	50
36	A comparison of the porous texture of two CO ₂ activated botanic materials. <i>Carbon</i> , 1985 , 23, 19-24	10.1	62
35	A comparison of different tests to evaluate the apparent surface area of activated carbons. <i>Carbon</i> , 1985 , 23, 91-96	10.1	22
34	The effect of inorganic constituents of the support on the characteristics of carbon-supported platinum catalysts. <i>Applied Catalysis</i> , 1985 , 15, 293-300		21
33	High Temperature Adsorption of Hydrocarbons by Activated Carbons Prepared from Olive Stones. <i>Adsorption Science and Technology</i> , 1984 , 1, 103-109	3.5	10
32	The n-Nonane Preadsorption Method Applied to Activated Carbons. <i>Adsorption Science and Technology</i> , 1984 , 1, 123-132	3.5	9
31	The Two-Stage Air-CO ₂ Activation in the Preparation of Activated Carbons. II. Characterization by Adsorption from Solution. <i>Adsorption Science and Technology</i> , 1984 , 1, 223-234	3.5	30
30	Adsorption of Hydrocarbons on Air-Reacted Activated Carbons. I. Adsorption Isotherms. <i>Adsorption Science and Technology</i> , 1984 , 1, 195-204	3.5	12
29	Adsorption of Hydrocarbons on Air-Reacted Activated Carbons. II. High and Low Pressure Hysteresis. <i>Adsorption Science and Technology</i> , 1984 , 1, 317-327	3.5	10
28	Activated carbons from almond shells. <i>Carbon</i> , 1984 , 22, 13-18	10.1	38
27	The controlled reaction of active carbons with air at 350°C. <i>Carbon</i> , 1984 , 22, 123-130	10.1	45
26	Porous carbon as support for iron and ruthenium catalysts. <i>Fuel</i> , 1984 , 63, 1089-1094	7	40
25	The Two-Stage Air-CO ₂ Activation in the Preparation of Activated Carbons. I. Characterization by Gas Adsorption. <i>Adsorption Science and Technology</i> , 1984 , 1, 211-222	3.5	20
24	The adsorption of N ₂ and Ar on samples of CdCl ₂ with different degree of surface homogeneity. <i>Surface Science</i> , 1982 , 120, L431-L440	1.8	5

23	The crossing of N ₂ adsorption isotherms on CdCl ₂ . <i>Surface Science</i> , 1982 , 114, L7-L9	1.8	3
22	The crossing of gas adsorption isotherms at different temperatures in relation to the surface homogeneity of solids. <i>Studies in Surface Science and Catalysis</i> , 1982 , 479-488	1.8	
21	Seeking for a possible correlation between the existence of a crossing point of the adsorption isotherms and the state of the adsorbed phase for the Ar/graphite and Ar/boron nitride systems. <i>Studies in Surface Science and Catalysis</i> , 1982 , 495-501	1.8	
20	Platinum catalysts supported on graphitized carbon black. <i>Carbon</i> , 1982 , 20, 177-184	10.1	28
19	Platinum catalysts supported on graphitized carbon black. <i>Carbon</i> , 1982 , 20, 185-189	10.1	16
18	Activated carbons from almond shells. <i>Carbon</i> , 1982 , 20, 513-518	10.1	157
17	The crossing of N ₂ adsorption isotherms on CdCl ₂ . <i>Surface Science Letters</i> , 1982 , 114, L7-L9		
16	The adsorption of N ₂ and Ar on samples of CdCl ₂ with different degree of surface homogeneity. <i>Surface Science Letters</i> , 1982 , 120, L431-L440		
15	Activation of a sepiolite with dilute solutions of HNO ₃ and subsequent heat treatments: II. Determination of surface acid centres. <i>Clay Minerals</i> , 1981 , 16, 173-179	1.3	31
14	Activation of a sepiolite with dilute solutions of HNO ₃ and subsequent heat treatments: III. Development of porosity. <i>Clay Minerals</i> , 1981 , 16, 315-323	1.3	24
13	Development of porosity and surface heterogeneity upon air activation of graphitized carbon black. <i>Carbon</i> , 1981 , 19, 65-70	10.1	13
12	Preparation and characterization of active carbons from olive stones. <i>Carbon</i> , 1980 , 18, 413-418	10.1	102
11	The controlled reaction of active carbons with air at 350°C. <i>Carbon</i> , 1979 , 17, 441-446	10.1	31
10	Changes in surface homogeneity of a graphite upon gasification. <i>Carbon</i> , 1978 , 16, 397-401	10.1	10
9	Evolution of surface area in a sepiolite as a function of acid and heat treatments. <i>Clay Minerals</i> , 1978 , 13, 375-385	1.3	72
8	Kinetics of the formation of graphite oxide. <i>Carbon</i> , 1975 , 13, 461-464	10.1	27
7	Reaction of glassy carbon with oxygen. <i>Carbon</i> , 1975 , 13, 7-10	10.1	20
6	Transient rates in the reaction of CO ₂ with highly oriented Pyrolytic graphite. <i>Carbon</i> , 1975 , 13, 81-82	10.1	3

5	Thermodynamics of the high temperature adsorption of some permanent gases by porous carbons. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1974 , 70, 2154		85
4	Kinetic studies of the oxidation of highly oriented pyrolytic graphites. <i>Carbon</i> , 1974 , 12, 63-70	10.1	42
3	Microscopic studies of oxidized highly oriented pyrolytic graphites. <i>Carbon</i> , 1974 , 12, 269-279	10.1	22
2	The adsorptive properties of carbonised olive stones. <i>Carbon</i> , 1973 , 11, 633-638	10.1	49
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