

Table S1

Selected textural data reported in the literature for parent materials and their modified products. Data from section 1.

zeolite	Si/Al	modification	Size of pores	S _{BET} m ² g ⁻¹	S _{micro} m ² g ⁻¹	V _{micro} cm ³ g ⁻¹	S _{meso} cm ³ g ⁻¹	V _{meso} cm ³ g ⁻¹	Ref.
ERI parent	3.5		8-MR	594	575	0.22	19	0.08	1
ERI hierarchical		dealumination with HNO ₃ followed by desilication with NaOH		590	441	0.19	149	0.24	
SSZ-13 parent	11.2			558.1		0.23	50.7	0.14	2
SSZ-13 hierarchical		desilication with NaOH		512.6		0.13	118.7	0.57	
SSZ-13 parent	40			695	0.28		35		3
SSZ-13 hierarchical		partial detemplation @250°C followed by desilication with NaOH		742	0.23		110		
SSZ-13 parent	14			704	679	0.25	25	0.06	4
SSZ-13 hierarchical		desilication with NaOH		623	541	0.21	82	0.13	
SSZ-13 hierarchical				545	463	0.17	122	0.24	
ZSM-58 parent	48			358		0.20		0.02	5
ZSM-58 hierarchical		desilication with NaOH		388		0.11		0.50	
ZSM-5 parent	19		10-MR	400		0.15	10	0.03	6
ZSM-5 hierarchical		desilication with NaOH		425		0.14	80	0.10	
ZSM-5 parent	37			430		0.17	40	0.09	
ZSM-5 hierarchical		desilication with NaOH		510		0.13	235	0.48	
ZSM-5 parent	31.6					0.105	59	0.068	7
ZSM-5 hierarchical		desilication with NaOH and TBAOH				0.127	124	0.225	
ZSM-5 parent	32			377		0.17	40		8
ZSM-5 hierarchical		desilication with NaOH followed by acid treatment		501		0.15	144		
ZSM-5 parent	140					0.104	140	0.082	9

zeolite	Si/Al	modification	Size of pores	S_{BET} $\text{m}^2 \text{g}^{-1}$	S_{micro} $\text{m}^2 \text{g}^{-1}$	V_{micro} $\text{cm}^3 \text{g}^{-1}$	S_{meso} $\text{cm}^3 \text{g}^{-1}$	V_{meso} $\text{cm}^3 \text{g}^{-1}$	Ref.
ZSM-5 hierarchical		desilication with NaOH and TBAOH solution				0.099	181	0.169	6
ZSM-5 parent	1038			390			15	0.03	
ZSM-5 hierarchical		desilication with NaOH		460		0.15	80	0.15	
TNU-9 parent	14.6			362	342	0.17	20	0.03	10
TNU-9 hierarchical		desilication with NaOH		450	347	0.17	103	0.11	11
TNU-9 parent	20.2			418		0.167			
TNU-9 hierarchical		desilication with NaOH		474		0.133		0.34	10
IM-5 parent	11.9			315	305	0.15	10	0.02	
IM-5 hierarchical		desilication with NaOH		367	287	0.14	80	0.08	
Beta parent	22		12-MR	567	523	0.18	44	0.06	12
Beta hierarchical		desilication with NaOH and TBAOH solution		793	325	0.14	468	0.35	
Y parent	31					0.33	280	0.20	13
Y hierarchical		desilication with NaOH and TBAOH solution				0.27	540	1.15	
L parent	3			405	347	0.14	58	0.08	14
L hierarchical		dealumination with HNO_3 solution followed by desilication with NaOH solution		511	377	0.16	134	0.21	
MOR parent	7.5		12-MR&8-MR	405	388	0.19	17	0.03	15
MOR hierarchical		desilication with NaOH and TBAOH solution		510	439	0.20	71	0.15	
MOR parent	21						8	0.21	16
MOR hierarchical		desilication with NaOH					90	0.19	
MOR parent	27						5	0.21	
MOR hierarchical		desilication with NaOH					115	0.19	
FER parent	9			280	270	0.13	10	0.09	17

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FER hierarchical		dealumination with HNO ₃ solution followed by desilication with LiOH solution	10-MR & 8-MR	305	219	0.24	86	0.11	
FER parent	23			295	281	0.13	14	0.13	
FER hierarchical		dealumination with HNO ₃ solution followed by desilication with LiOH solution		326	218	0.12	108	0.12	
FER parent	27			369		0.14	20		18
FER hierarchical		desilication with NaOH		304		0.08	107		

References to Table S1

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