Supplementary Materials: Photocatalytic Oxidation of NO over Composites of Titanium Dioxide and Zeolite ZSM-5

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Table S1. Results from nitrogen sorption at 77 K for the TiO_2 materials, zeolite ZSM-5 and the composites from sea sand/TiO_2 from sol-gel synthesis (TSSSG) as well as TiO_2/ZSM-5 from mechanical mixing (HZMM), from solid-state dispersion (HZSSD) and sol-gel synthesis (TZSG) with different mass fractions (specific surface area A_{BET}, specific pore volume V_{BJH} and average pore width d_{BJH}).

Material	A_{BET}/($m^2 \cdot g^{-1}$)	V_{BJH}/($cm^3 \cdot g^{-1}$)	d_{BJH}/nm
Hombikat	330	0.006	5.12
TiO_2	162	0.114	4.31
ZSM-5	313	0.132	4.53
TSSSG	46	0.000	3.40
HZMM (25/75)	326	0.105	5.63
HZMM (50/50)	320	0.071	5.29
HZMM (75/25)	323	0.032	4.88
HZSSD (25/75)	324	0.104	5.55
HZSSD (50/50)	318	0.075	4.67
HZSSD (75/25)	310	0.035	5.79
TZSG (25/75)	319	0.174	4.21
TZSG (50/50)	278	0.153	4.49
TZSG (75/25)	215	0.049	5.49

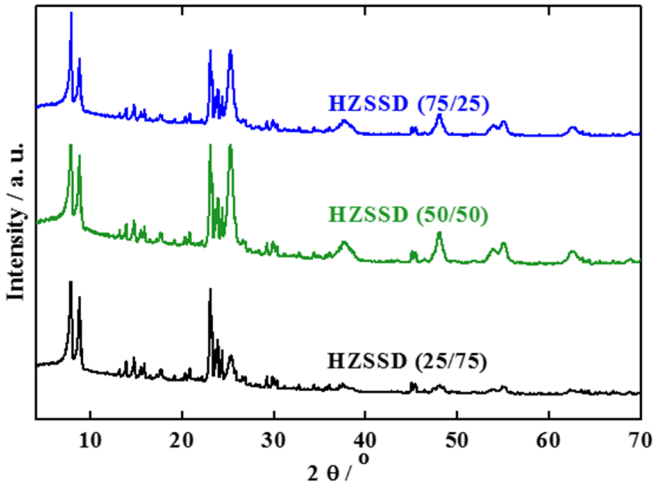

Figure S1. XRD patterns of composites from solid-state dispersion (HZSSD) with different mass fractions of TiO_2 and zeolite ZSM-5.

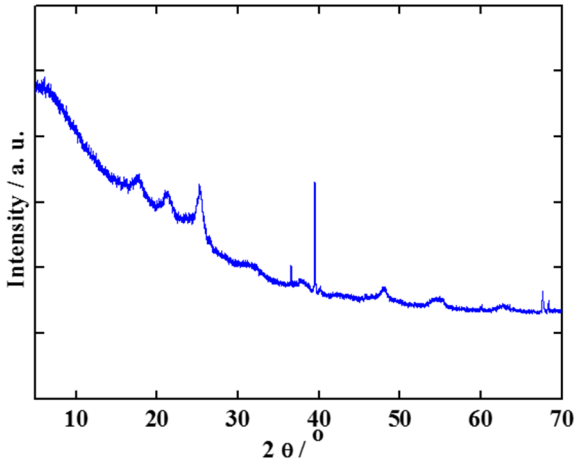

Figure S2. XRD pattern of a composite of sea sand and TiO_2 with a mass fraction of 50/50 from sol-gel synthesis (TSSSG).

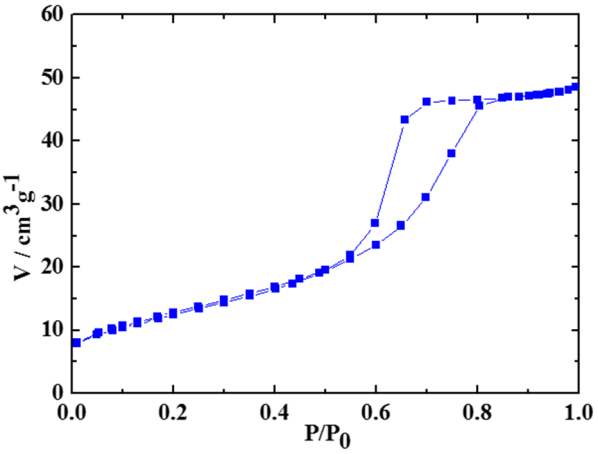

Figure S3. N_2 sorption isotherms of a composite of sea sand and TiO_2 with a mass fraction of 50/50 from sol-gel synthesis (TSSSG).

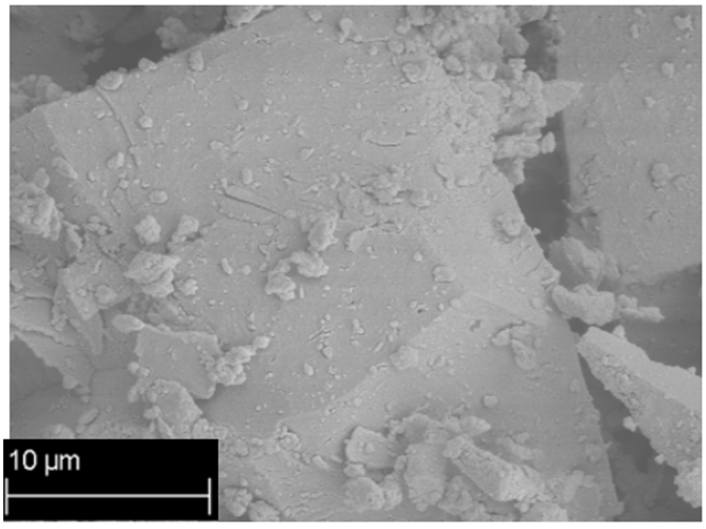

Figure S4. SEM image of a composite of sea sand and TiO_2 with a mass fraction of 50/50 from sol-gel synthesis (TSSSG).