

原始数据								
温度/℃	乙烯峰面积A1/mV·s	乙烯摩尔校正因子f	乙醛A2	乙醛f	乙醇A3	乙醇f	乙醚A4	乙醚f
200								
200	0.9758	0.74	0.0459	1.40	596.0508	1.00	61.4191	0.47
200	1.2687	0.74	0	1.40	346.9406	1.00	63.3480	0.47
平均								
210	2.7823	0.74	0	1.40	413.6943	1.00	105.0899	0.47
210	2.9987	0.74	0	1.40	326.3942	1.00	97.3338	0.47
210								
平均								
220	7.0375	0.74	0.0526	1.40	250.0864	1.00	120.1226	0.47
220	6.3934	0.74	0.0494	1.40	262.1248	1.00	117.7321	0.47
220	6.3176	0.74	0	1.40	269.5181	1.00	117.8704	0.47
平均								
230	16.1197	0.74	0.1041	1.40	229.3870	1.00	163.2765	0.47
230	18.1675	0.74	0.1135	1.40	218.7894	1.00	165.4327	0.47
230	16.0908	0.74	0.0984	1.40	224.1688	1.00	158.8582	0.47
平均								
240	24.8345	0.74	0.2306	1.40	121.7264	1.00	60.0317	0.47
240	28.2647	0.74	0.1628	1.40	209.2600	1.00	183.8482	0.47
240	29.6223	0.74	0.1570	1.40	198.7459	1.00	181.6558	0.47
平均								

数据处理1									
温度/℃	乙烯摩尔分数n/%	乙醛n/%	乙醇n/%	乙醚n/%	乙醇转化率/%	乙烯收率Y/%	乙醚收率Y/%	乙烯选择性S/%	乙醚选择性S/%
200									
200	0.115	0.010	95.261	4.614	8.940	0.110	8.820	1.234	98.656
200	0.249	0.000	91.868	7.884	14.846	0.230	14.615	1.552	98.448
平均	0.182	0.005	93.564	6.249	11.893	0.170	11.718	1.393	98.552
210	0.443	0.000	88.939	10.619	19.599	0.400	19.199	2.042	97.958
210	0.593	0.000	87.187	12.220	22.307	0.528	21.779	2.368	97.632
210									
平均	0.518	0.000	88.063	11.419	20.953	0.464	20.489	2.205	97.795
220	1.670	0.024	80.201	18.106	32.094	1.414	30.660	4.406	95.532
220	1.468	0.021	81.340	17.171	30.580	1.253	29.309	4.097	95.843
220	1.418	0.000	81.773	16.808	29.994	1.214	28.779	4.049	95.951
平均	1.519	0.015	81.105	17.362	30.889	1.294	29.583	4.184	95.775
230	3.749	0.046	72.089	24.117	41.919	3.020	38.861	7.205	92.707
230	4.335	0.051	70.544	25.070	43.596	3.466	40.089	7.950	91.956
230	3.830	0.044	72.108	24.017	41.856	3.088	38.732	7.379	92.536
平均	3.971	0.047	71.580	24.401	42.457	3.192	39.228	7.511	92.400
240	10.897	0.191	72.181	16.731	38.165	9.335	28.665	24.461	75.109
240	6.602	0.072	66.052	27.274	48.103	5.187	42.859	10.784	89.099
240	7.157	0.072	64.894	27.877	49.253	5.597	43.600	11.364	88.522
平均	6.880	0.072	65.473	27.576	48.678	5.392	43.230	11.074	88.811

舍去

数据处理2									
T/℃	k T/min [^] (-1)	1/(T+273.15) * 10 [^] (-3)	s1	s2	k T1/min [^] (-1)	k T2/min [^] (-1)	ln(k T1)	ln(k T2)	
200	4.580E+01	2.113	1.393E+00	9.855E+01	6.380E-01	4.514E+01	-4.494E-01	3.810E+00	
210	8.685E+01	2.070	2.205E+00	9.780E+01	1.915E+00	8.493E+01	6.496E-01	4.442E+00	
220	1.393E+02	2.028	4.184E+00	9.578E+01	5.828E+00	1.334E+02	1.763E+00	4.893E+00	
230	2.126E+02	1.987	7.511E+00	9.240E+01	1.597E+01	1.964E+02	2.771E+00	5.280E+00	
240	2.617E+02	1.949	1.107E+01	8.881E+01	2.898E+01	2.324E+02	3.367E+00	5.448E+00	

转化率	s1/%	s2/%	y1/%	y2/%	nB/mol·min [^] (-1)	m_cat/g	时空收率1/mol·min [^] (-1)·g [^] (-1)	时空收率2/mol·min [^] (-1)·g [^] (-1)	总空速/min [^] (-1)	接触时间/min
11.893	1.393	98.552	0.166	11.721	3.42E-06	0.0501	1.13E-05	8.00E-04	3.62E+02	2.76E-03
20.953	2.205	97.795	0.462	20.491	3.42E-06	0.0501	3.15E-05	1.40E-03	3.69E+02	2.71E-03
30.889	4.184	95.775	1.292	29.584	3.42E-06	0.0501	8.82E-05	2.02E-03	3.77E+02	2.65E-03
42.457	7.511	92.400	3.189	39.230	3.42E-06	0.0501	2.18E-04	2.68E-03	3.85E+02	2.60E-03
48.678	11.074	88.811	5.390	43.231	3.42E-06	0.0501	3.68E-04	2.95E-03	3.92E+02	2.55E-03