

Genesis of Two Types of Carbonaceous Material Associated with Gold Mineralization in the Bumo Deposit, Hainan Province, South China

Zhengpeng Ding ^{1,2}, Teng Deng ^{1,2,*}, Deru Xu ^{1,2,*}, Zenghua Li ^{1,2}, Shaohao Zou ^{1,2}, Lirong Li ^{1,2}, Ke Xu ^{1,2}, Yan Hai ^{1,2} and Wen Ma ^{1,2}

¹ State Key Laboratory of Nuclear Resources and Environment, East China University of Technology, Nanchang 330013, China

² School of Earth Sciences, East China University of Technology, Nanchang 330013, China

* Correspondence: dengteng2015@ecut.edu.cn (T.D.); xuderu@ecut.edu.cn (D.X.)

Table S1. Raman spectroscopy data of layered and veinlet CM samples from the Bumo deposit.

Sample ID	D1	D1	G	G	D2	D2	R1 Ratio	R2 Ratio	T (°C) Beysac	T (°C) Rahl
	Band Peak /cm ⁻¹	Band Area /cm ⁻¹	Band Peak /cm ⁻¹	Band Area /cm ⁻¹	Band Peak /cm ⁻¹	Band Area /cm ⁻¹				
L-11	430	29	1023	33	331	38	0.42	0.29	511.95	548.56
L-02	934	30	2606	51	614	19	0.36	0.30	507.50	521.89
L-05	906	33	2705	57	420	9	0.33	0.33	492.67	480.10
L-09	873	34	2699	57	452	9	0.32	0.34	489.70	469.91
L-07	743	33	2098	58	308	9	0.35	0.33	494.15	488.76
L-01	743	35	2098	56	308	8	0.35	0.35	483.68	463.64
L-03	1339	35	3944	55	1723	10	0.34	0.35	485.25	463.53
L-16	2546	39	5048	52	1058	8	0.50	0.39	465.70	458.37
L-13	407	40	850	51	131	9	0.48	0.40	463.00	445.73
L-04	656	38	1727	53	299	9	0.38	0.38	471.90	442.14
L-13	1334	39	3292	53	632	8	0.41	0.39	467.45	438.01
V-21	3115	56	4101	35	2100	8	0.76	0.57	389.28	331.13
V-27	2144	55	3187	37	1077	8	0.67	0.55	396.25	329.96
V-24	1037	54	1734	37	560	7	0.60	0.55	395.80	312.53
V-26	4122	61	4448	28	2448	9	0.93	0.62	364.01	301.51
V-30	2942	60	3719	31	1059	8	0.79	0.61	371.30	294.20
V-29	3757	61	4607	31	2153	6	0.82	0.62	364.01	281.40
V-25	3062	62	3387	32	1374	3	0.90	0.64	356.57	279.73
V-28	1255	60	1724	33	303	5	0.73	0.61	368.55	275.05
V-22	1449	56	2837	38	548	4	0.51	0.57	386.71	270.52
V-23	2275	75	1904	24	613	1	1.19	0.75	307.25	205.75
V-31	989	62	2210	36	139	1	0.45	0.63	362.31	196.59