

Supporting Information

for

Enhancing higher-order modal response in multifrequency atomic force microscopy with a coupled cantilever system

Wendong Sun, Jianqiang Qian, Yingzi Li, Yanan Chen, Zhipeng Dou, Rui Lin, Peng Cheng, Xiaodong Gao, Quan Yuan and Yifan Hu

Beilstein J. Nanotechnol. 2024, 15, 694–703. doi:10.3762/bjnano.15.57

Simulations of different cantilevers

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Table S1: Simulation of the first two orders of modal shapes of microcantilever coupled

 systems with different cantilever sizes.

Manufacturer	Cantilever type	First mode shape	Second mode shape
Olympus	AC240FS-B2		
	RC800PS		
Asylum	HQ-75-AU		
	HQ-150-Au		
BudgetSensors	Tap190-G		
	Tap300-G		
Bruker	MPP-21		\sim
	TESPD		
NanoWorld	NW-CDT-NCHR		
	NW-S-MFMR		