

## Supplementary data

### **Structural, optical, and electrochemical properties of a new 1D copper (II) halometalate for highly sensitive dopamine detection**

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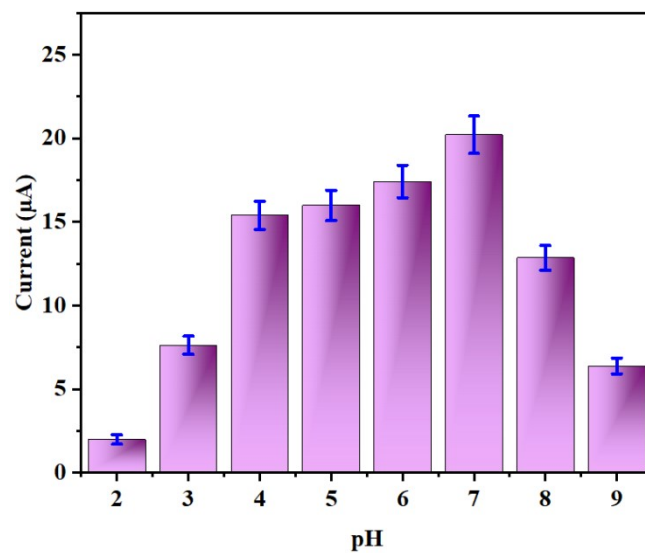
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**Table.S1.** Experimental conditions and data collection of the  $[\text{Cu}(\kappa^2\text{-Cl})_2(\eta^1\text{-4-I-Pz})_2]_n$  crystal.

<b>Crystal Data</b>	
Empirical formula	$\text{C}_6\text{H}_6\text{Cl}_2\text{CuI}_2\text{N}_4$
Formula weight ( $\text{g mol}^{-1}$ )	522.39
Temperature (K)	100
Crystal system	Monoclinic
Space group	$P2_1/c$
a (Å), b (Å), c (Å)	4.0114 (1), 15.0996 (6), 10.0000 (3)
$\beta$ (°)	93.599 (3)
Volume (Å <sup>3</sup> )	604.51 (3)
Z	2
Calculated density ( $\text{Mg m}^{-3}$ )	1.136
$\mu$ ( $\text{mm}^{-1}$ )	7.33
F(000)	478
Crystal size (mm)	$0.24 \times 0.11 \times 0.05$
Color/Form	Yellow/Plate
<b>Data Collection</b>	
Diffractometer	XtaLAB Synergy, Dualflex, HyPix-Arc 100
Radiation	Mo $K\alpha$ ( $\lambda = 0.71073$ Å)
$\theta$ range (°)	3.4–30.5°
Index ranges	$-5 \leq h \leq 5, 0 \leq k \leq 20, 0 \leq l \leq 14$
Measured reflections	7693
Independent reflections	1615
Reflections with $I > 2\sigma(I)$	1446
Absorption correction	Multi-scan (SADABS; $T_{\min}=0.380, T_{\max} = 0.760$ )
<b>Refinement</b>	
Refinement method	Full-matrix least-squares on $F^2$
Restraints/parameters	6221/0/71
Goodness-of-fit on $F^2$	1.07
$R[F^2 > 2\sigma(F^2)]$	0.030
$wR(F^2) [I > 2\sigma(I)]$	0.059



**Figure S1.** Effect of solution pH on the current response of the [4ICuCl]/GCE electrode in 0.1 M phosphate buffer solution containing 10 µM dopamine (DA).