## Supporting Information

## Materials and Methods

All the reagents to perform synthesis obtained from commercial sources were of analytical grade and used without further purification. Powder X-ray diffraction (PXRD) data were collected using Bruker ADVANCE X-ray diffractometer with Cu $\mathrm{K} \alpha$ radiation $(\lambda=1.5418 \AA)$ at $50 \mathrm{kV}, 20 \mathrm{~mA}$ with a scanning rate of $6^{\circ} / \mathrm{min}$ and a step size of $0.02^{\circ}$. Fourier transforms infrared (FT-IR) spectrum for $\mathbf{1}$ in KBr disc was recorded on Nicolet Impact 750 FTIR in the range of $400-4000 \mathrm{~cm}^{-1}$. Thermogravimetric analysis (TGA) was performed under nitrogen atmosphere from room temperature to $800{ }^{\circ} \mathrm{C}$ at a heating rate of $10{ }^{\circ} \mathrm{C} \mathrm{min}^{-1}$. The photocatalytic investigations were carried out using Shimadzu UV-Vis 2501PC recording spectrophotometer.

## X-ray Crystallography

The single crystal X-ray diffraction data for 1-2 was collected using Bruker SMART APEX diffractometer equipped with graphite monochromated $\mathrm{MoK} \alpha$ radiation ( $\lambda=0.71073 \AA$ ) employing $\omega$-scan technique. The structure was solved by direct method (SHLEXS-2014) and refined using the full-matrix least-square procedure based on $F^{2}$ (Shelxl-2014). All the hydrogen atoms were generated geometrically and refined isotropically employing riding model while non-hydrogen atoms were refined with anisotropic displacement parameters. Crystallographic details and selected bond dimensions for 1-2 are listed in Tables S1-S3, respectively. CCDC number: 2183494-2183495.

## Photocatalytic Method

The finely divided powder of $\mathbf{1}$ or 2 ( 40 mg ) was dispersed in 50 mL aqueous solutions of $\mathrm{MB}, \mathrm{MO}$ and $\mathrm{Rh} \mathrm{B}(10 \mathrm{mg} / \mathrm{L})$ and the mixtures were stirred in dark for 30 $\min$ to ensure the establishment of adsorption-desorption equilibrium. The photocatalytic degradations of dyes were conducted on UV-400 type photochemical reactor having 100 W mercury lamp (mean wavelength 365 nm ). Aliquots of 5.0 mL were isolated at specified time intervals and separated through centrifugation and then subsequently the intensity of UV-Vis bands of dyes were recorded using UV-visible
spectrophotometer. These control experiments were also conducted where the photodecompositions of dyes were performed under the identical conditions without adding $\mathbf{1}$ and $\mathbf{2}$.

The electrochemical measurements were performed in an electrochemical workstation (CHI660C Apparatuses) with a three electrode system, including a saturated calomel reference electrode, a platinum auxiliary electrode and a glassy carbon disk electrode (GCE, 3 mm ). Samples and 0.5 mL DMF were well mixed into a 5 mL centrifuge tube to form a uniform suspension under sonificatio. $5.0 \mu \mathrm{~L}$ Samples $\mathbf{1 / 2}$ suspension was coated on the GCE surface to prepare a working electrode. $0.2 \mathrm{M} \mathrm{Na}_{2} \mathrm{SO}_{4}$ solution was used as the electrolyte in the all electrochemical measurements. EIS plots were recorded under dark circumstance at open circuit potential in the frequency range between $10^{-2}$ and $10^{5} \mathrm{~Hz}$. The ozone gas $(30 \mathrm{mg} / \mathrm{L}, 25 \mathrm{~mL} / \mathrm{min})$ was inlet into the $\mathrm{Na}_{2} \mathrm{SO}_{4}$ solution for 30 min if needed. The Mott-Schottky measurement was conducted to measure the band positions of the samples using impedance-potential model.
(a)

(b)



Scheme S1 view of the different coordination mode of $\mathrm{H}_{3} \mathrm{~L}$ in this work.


Fig. S1 view of the $\left[\mathrm{Cd}_{7}(\mathrm{COO})_{12}\right]$ node.


Fig. S2 view of the connections of the adjacent $\left[\mathrm{Cd}_{7}(\mathrm{COO})_{12}\right]$ nodes.


Fig.S3 the 3D supramolecular nework.


Fig. S4 view of the a trimeric $\left[\mathrm{Cd}_{3}(\mathrm{COO}) 6\right] \mathrm{SBU}$ in 2.


Fig. S5 view of the 2D layer in 2.


Fig. S6 view of the TGA.


Fig. S7 view of the PXRD patterns of as-synthesized and after photocatalysis of MV in 1.


Fig. S8 the PXRD pattern of as-synthesized sample in 2.



Fig. S9 view of the IR.


Fig. S10 UV-vis spectrum of $\mathbf{1}$ and $\mathbf{2}$.


Fig. S11 view of the photocatalytic efficiency of MOFs $\mathbf{1}$ and $\mathbf{2}$.


Fig. S12 the appearance of SEM before and after the catalytic experiment.


Fig. S13 Time-dependent UV-vis absorption spectra of $\mathbf{1}+\mathbf{A O}$ in MV solution.


Fig. S14 Time-dependent UV-vis absorption spectra of $\mathbf{1}+\mathbf{B Q}$ in MV solution.


Fig. S15 Time-dependent UV-vis absorption spectra of $\mathbf{1}+\mathbf{T B A}$ in MV solution.

Table S1 view of the photocatalytic efficiencies of $\mathbf{1}$ and $\mathbf{2}$.

|  | Blank | 1 | 2 |
| :---: | :---: | :---: | :---: |
| MB | $11.58 \%$ | $76.4 \%$ | $63.2 \%$ |
| MO | $18.98 \%$ | $31.28 \%$ | $23.86 \%$ |
| MV | $28.92 \%$ | $95.5 \%$ | $86.28 \%$ |
|  | $18.91 \%$ | $27.13 \%$ | $29.32 \%$ |
|  |  |  |  |

Table S2 The fitting parameters of photocatalytic process

| Material | $k\left(\mathrm{~min}^{-1}\right)$ | $R^{2}$ |
| :---: | :---: | :---: |
| $1+$ MB | 0.01174 | 0.99288 |
| 1+MO | 0.00326 | 0.98976 |
| 1+MV | 0.02288 | 0.98436 |
| 1+RhB | 0.00230 | 0.97677 |
| AO+MV@1 | 0.03210 | 0.98691 |
| BQ+MV@1 | 0.00866 | 0.97020 |
| TBA+MV@1 | 0.03016 | 0.98797 |
| 2+MB | 0.00860 | 0.98008 |
| 2+MO | 0.00221 | 0.98863 |

Table S3. Crystallographic data and structure refinement details for 1-2

| Parameter | $\mathbf{1}$ | $\mathbf{2}$ |
| :--- | :---: | :---: |
| Formula | $\mathrm{C}_{90} \mathrm{H}_{80} \mathrm{Cd}_{7} \mathrm{~N}_{12} \mathrm{O}_{34}$ | $\mathrm{C}_{52} \mathrm{H}_{46} \mathrm{Cd}_{3} \mathrm{~N}_{8} \mathrm{O}_{14}$ |
| Formula weight | 2660.46 | 1344.17 |
| Crystal system | Monoclinic | Monoclinic |
| Space group | $P 21 / n$ | $P 21 / c$ |
| Crystal Color | Colorless | Colorless |
| $a, \AA$ | $11.0799(7)$ | $12.6780(12)$ |
| $b, \AA$ | $20.0518(14)$ | $17.8838(17)$ |
| $c, \AA$ | $21.6998(14)$ | $11.3101(11)$ |
| $\alpha,{ }^{\circ}$ | 90 | 90 |
| $\beta,{ }^{\circ}$ | $102.557(1)$ | $101.053(2)$ |
| $\gamma,{ }^{\circ}$ | 90 | 90 |
| $V, \AA^{3}$ | $4705.8(5)$ | $2516.8(4)$ |
| $Z$ | 2 | 2 |
| $\rho_{\text {calcd }}{ }^{\circ}, \mathrm{g} / \mathrm{cm}^{3}$ | 1.878 | 1.774 |
| $\mu$, mm ${ }^{-1}$ | 1.644 | 1.333 |
| $F(000)$ | 2624 | 1340 |
| $\theta$ Range, deg | $1.4-27.7$ | $1.6-27.7$ |
| Reflection Collected | 28422 | 14986 |
| Independent reflections $\left(R_{\text {int }}\right)$ | 0.051 | 0.029 |
| Reflections with $I>2 \sigma(I)$ | 7719 | 4724 |
| Number of parameters | 661 | 351 |
| $R_{1}, w R_{2}(I>2 \sigma(I))^{*}$ | $0.0547,0.1364$ | $0.0411,0.0905$ |
| $R_{1}, w R_{2}(\text { all data })^{* *}$ | $0.0865,0.1586$ |  |
|  |  |  |

[^0]Table S4. Selected bond distances $(\AA)$ and angles (deg) for 1-2

| 1 |  |  |  |
| :---: | :---: | :---: | :---: |
| $\mathrm{Cd}(1)-\mathrm{O}(1)$ | $2.198(5)$ | $\mathrm{Cd}(1)-\mathrm{O}(14)$ | 2.224(4) |
| $\mathrm{Cd}(1)-\mathrm{O}(15)$ | $2.216(4)$ | $\mathrm{Cd}(1)-\mathrm{O}(5) \# 5$ | $2.255(5)$ |
| $\mathrm{Cd}(1)-\mathrm{O}(9) \# 5$ | 2.245(6) | $\mathrm{Cd}(2)-\mathrm{O}(12)$ | $2.300(4)$ |
| $\mathrm{Cd}(2)-\mathrm{O}(15)$ | 2.220(4) | $\mathrm{Cd}(2)-\mathrm{O}(16)$ | $2.382(7)$ |
| $\mathrm{Cd}(2)-\mathrm{O}(12) \# 4$ | $2.300(4)$ | $\mathrm{Cd}(2)-\mathrm{O}(15) \# 4$ | 2.220(4) |
| $\mathrm{Cd}(2)-\mathrm{O}(16) \# 4$ | $2.382(7)$ | $\mathrm{Cd}(3)-\mathrm{O}(4)$ | 2.251(5) |
| $\mathrm{Cd}(3)-\mathrm{N}(1)$ | 2.257(7) | $\mathrm{Cd}(3)-\mathrm{O}(11) \# 2$ | $2.347(5)$ |
| $\mathrm{Cd}(3)-\mathrm{O}(12) \# 2$ | 2.538(4) | $\mathrm{Cd}(3)-\mathrm{O}(2) \# 6$ | $2.308(5)$ |
| $\mathrm{Cd}(3)-\mathrm{O}(15) \# 6$ | $2.315(5)$ | $\mathrm{Cd}(4)-\mathrm{O}(17)$ | $2.365(4)$ |
| $\mathrm{Cd}(4)-\mathrm{N}(4)$ | $2.276(7)$ | $\mathrm{Cd}(4)-\mathrm{N}(5)$ | 2.272(7) |
| $\mathrm{Cd}(4)-\mathrm{O}(13) \# 1$ | 2.412(4) | $\mathrm{Cd}(4)-\mathrm{O}(14) \# 1$ | 2.511(4) |
| $\mathrm{Cd}(4)-\mathrm{O}(6) \# 3$ | $2.317(4)$ | $\mathrm{Cd}(4)-\mathrm{O}(7) \# 3$ | 2.577(4) |
| 2 |  |  |  |
| $\mathrm{Cd}(1)-\mathrm{O}(4)$ | 2.274(3) | $\mathrm{Cd}(1)-\mathrm{N}(1)$ | 2.293(2) |
| $\mathrm{Cd}(1)-\mathrm{O}(1) \# 1$ | 2.680(3) | $\mathrm{Cd}(1)-\mathrm{O}(2) \# 1$ | 2.326(2) |
| $\mathrm{Cd}(1)-\mathrm{N}(4) \# 1$ | $2.336(3)$ | $\mathrm{Cd}(1)-\mathrm{O}(6) \# 2$ | 2.582(3) |
| $\mathrm{Cd}(1)-\mathrm{O}(7) \# 2$ | $2.395(3)$ | $\mathrm{Cd}(2)-\mathrm{O}(5)$ | 2.214(2) |
| $\mathrm{Cd}(2)-\mathrm{O}(2) \# 1$ | 2.287(2) | $\mathrm{Cd}(2)-\mathrm{O}(6) \# 2$ | 2.329(2) |
| $\mathrm{Cd}(2)-\mathrm{O}(5) \# 3$ | 2.214(2) | $\mathrm{Cd}(2)-\mathrm{O}(2) \# 4$ | 2.287(2) |
| $\mathrm{Cd}(2)-\mathrm{O}(6) \# 5$ | 2.329(2) |  |  |


|  |  |  |  |  |
| :--- | :--- | :--- | :--- | :---: |
| $\mathrm{O}(1)-\mathrm{Cd}(1)-\mathrm{O}(14)$ | $87.93(17)$ | $\mathrm{O}(1)-\mathrm{Cd}(1)-\mathrm{O}(1) 5$ | $95.3(2)$ |  |
| $\mathrm{O}(1)-\mathrm{Cd}(1)-\mathrm{O}(5) \# 5$ | $88.71(19)$ | $\mathrm{O}(1)-\mathrm{Cd}(1)-\mathrm{O}(9) \# 5$ | $170.2(2)$ |  |
| $\mathrm{O}(14)-\mathrm{Cd}(1)-\mathrm{O}(1) 5$ | $137.33(16)$ | $\mathrm{O}(5) \# 5-\mathrm{Cd}(1)-\mathrm{O}(14)$ | $124.71(18)$ |  |
| $\mathrm{O}(9) \# 5-\mathrm{Cd}(1)-\mathrm{O}(14)$ | $86.9(2)$ | $\mathrm{O}(5) \# 5-\mathrm{Cd}(1)-\mathrm{O}(1) 5$ | $97.93(19)$ |  |
| $\mathrm{O}(9) \# 5-\mathrm{Cd}(1)-\mathrm{O}(15)$ | $94.2(2)$ | $\mathrm{O}(5) \# 5-\mathrm{Cd}(1)-\mathrm{O}(9) \# 5$ | $87.5(2)$ |  |
| $\mathrm{O}(12)-\mathrm{Cd}(2)-\mathrm{O}(15)$ | $97.67(16)$ | $\mathrm{O}(12)-\mathrm{Cd}(2)-\mathrm{O}(16)$ | $85.39(19)$ |  |
| $\mathrm{O}(12)-\mathrm{Cd}(2)-\mathrm{O}(12) \# 4$ | 180.00 | $\mathrm{O}(12)-\mathrm{Cd}(2)-\mathrm{O}(15) \# 4$ | $82.33(16)$ |  |
| $\mathrm{O}(12)-\mathrm{Cd}(2)-\mathrm{O}(16) \# 4$ | $94.61(19)$ | $\mathrm{O}(15)-\mathrm{Cd}(2)-\mathrm{O}(16)$ | $81.6(2)$ |  |
| $\mathrm{O}(12) \# 4-\mathrm{Cd}(2)-\mathrm{O}(15)$ | $82.33(16)$ | $\mathrm{O}(15)-\mathrm{Cd}(2)-\mathrm{O}(15) \# 4$ | 180.00 |  |
| $\mathrm{O}(15)-\mathrm{Cd}(2)-\mathrm{O}(16) \# 4$ | $98.4(2)$ | $\mathrm{O}(12) \# 4-\mathrm{Cd}(2)-\mathrm{O}(16)$ | $94.61(19)$ |  |
| $\mathrm{O}(15) \# 4-\mathrm{Cd}(2)-\mathrm{O}(16)$ | $98.4(2)$ | $\mathrm{O}(16)-\mathrm{Cd}(2)-\mathrm{O}(16) \# 4$ | 180.00 |  |
| $\mathrm{O}(12) \# 4-\mathrm{Cd}(2)-\mathrm{O}(15) \# 4$ | $97.67(16)$ | $\mathrm{O}(12) \# 4-\mathrm{Cd}(2)-\mathrm{O}(16) \# 4$ | $85.39(19)$ |  |
| $\mathrm{O}(15) \# 4-\mathrm{Cd}(2)-\mathrm{O}(16) \# 4$ | $81.6(2)$ | $\mathrm{O}(4)-\mathrm{Cd}(3)-\mathrm{N}(1)$ | $95.2(2)$ |  |
| $\mathrm{O}(4)-\mathrm{Cd}(3)-\mathrm{O}(11) \# 2$ | $84.11(18)$ | $\mathrm{O}(4)-\mathrm{Cd}(3)-\mathrm{O}(12) \# 2$ | $136.31(18)$ |  |
| $\mathrm{O}(2) \# 6-\mathrm{Cd}(3)-\mathrm{O}(4)$ | $126.3(2)$ | $\mathrm{O}(4)-\mathrm{Cd}(3)-\mathrm{O}(15) \# 6$ | $98.6(2)$ |  |
| $\mathrm{O}(11) \# 2-\mathrm{Cd}(3)-\mathrm{N}(1)$ | $96.9(2)$ | $\mathrm{O}(12) \# 2-\mathrm{Cd}(3)-\mathrm{N}(1)$ | $99.32(18)$ |  |
| $\mathrm{O}(2) \# 6-\mathrm{Cd}(3)-\mathrm{N}(1)$ | $83.4(2)$ | $\mathrm{O}(15) \# 6-\mathrm{Cd}(3)-\mathrm{N}(1)$ | $164.4(2)$ |  |
| $\mathrm{O}(11) \# 2-\mathrm{Cd}(3)-\mathrm{O}(12) \# 2$ | $53.46(14)$ | $\mathrm{O}(2) \# 6-\mathrm{Cd}(3)-\mathrm{O}(11) \# 2$ | $149.58(18)$ |  |
| $\mathrm{O}(11) \# 2-\mathrm{Cd}(3)-\mathrm{O}(15) \# 6$ | $91.71(17)$ | $\mathrm{O}(2) \# 6-\mathrm{Cd}(3)-\mathrm{O}(12) \# 2$ | $96.33(18)$ |  |


| $\mathrm{O}(12) \# 2-\mathrm{Cd}(3)-\mathrm{O}(15) \# 6$ | $75.48(14)$ | $\mathrm{O}(2) \# 6-\mathrm{Cd}(3)-\mathrm{O}(15) \# 6$ | $82.57(18)$ |
| :--- | :--- | :--- | :--- |
| $\mathrm{O}(17)-\mathrm{Cd}(4)-\mathrm{N}(4)$ | $86.3(2)$ | $\mathrm{O}(17)-\mathrm{Cd}(4)-\mathrm{N}(5)$ | $88.6(2)$ |
| $\mathrm{O}(13) \# 1-\mathrm{Cd}(4)-\mathrm{O}(17)$ | 136.49 | $\mathrm{O}(14) \# 1-\mathrm{Cd}(4)-\mathrm{O}(17)$ | $83.63(18)$ |
| $\mathrm{O}(6) \# 3-\mathrm{Cd}(4)-\mathrm{O}(17)$ | $135.21(18)$ | $\mathrm{O}(7) \# 3-\mathrm{Cd}(4)-\mathrm{O}(17)$ | $84.71(18)$ |
| $\mathrm{N}(4)-\mathrm{Cd}(4)-\mathrm{N}(5)$ | $171.3(2)$ | $\mathrm{O}(13) \# 1-\mathrm{Cd}(4)-\mathrm{N}(4)$ | $90.6(2)$ |
| $\mathrm{O}(14) \# 1-\mathrm{Cd}(4)-\mathrm{N}(4)$ | $86.06(18)$ | $\mathrm{O}(6) \# 3-\mathrm{Cd}(4)-\mathrm{N}(4)$ | $86.6(2)$ |
| $\mathrm{O}(7) \# 3-\mathrm{Cd}(4)-\mathrm{N}(4)$ | $99.3(2)$ | $\mathrm{O}(13) \# 1-\mathrm{Cd}(4)-\mathrm{N}(5)$ | $88.3(2)$ |
| $\mathrm{O}(14) \# 1-\mathrm{Cd}(4)-\mathrm{N}(5)$ | $86.41(18)$ | $\mathrm{O}(6) \# 3-\mathrm{Cd}(4)-\mathrm{N}(5)$ | $102.0(2)$ |
| $\mathrm{O}(7) \# 3-\mathrm{Cd}(4)-\mathrm{N}(5)$ | $87.1(2)$ | $\mathrm{O}(13) \# 1-\mathrm{Cd}(4)-\mathrm{O}(14) \# 1$ | $52.86(14)$ |
| $\mathrm{O}(6) \# 3-\mathrm{Cd}(4)-\mathrm{O}(13) \# 1$ | $87.73(15)$ | $\mathrm{O}(7) \# 3-\mathrm{Cd}(4)-\mathrm{O}(13) \# 1$ | $138.40(14)$ |
| $\mathrm{O}(6) \# 3-\mathrm{Cd}(4)-\mathrm{O}(14) \# 1$ | $139.74(14)$ | $\mathrm{O}(7) \# 3-\mathrm{Cd}(4)-\mathrm{O}(14) \# 1$ | $166.80(14)$ |
| $\mathrm{O}(6) \# 3-\mathrm{Cd}(4)-\mathrm{O}(7) \# 3$ | $53.12(14)$ |  |  |
|  |  | $\mathrm{O}(2) \# 1-\mathrm{Cd}(2)-\mathrm{O}(2) \# 4$ | 180.00 |
| $\mathrm{O}(4)-\mathrm{Cd}(1)-\mathrm{N}(1)$ | $80.73(9)$ | $\mathrm{O}(2) \# 1-\mathrm{Cd}(2)-\mathrm{O}(6) \# 5$ | $104.29(8)$ |
| $\mathrm{O}(1) \# 1-\mathrm{Cd}(1)-\mathrm{O}(4)$ | $85.33(8)$ | $\mathrm{O}(5) \# 3-\mathrm{Cd}(2)-\mathrm{O}(6) \# 2$ | $84.92(8)$ |
| $\mathrm{O}(2) \# 1-\mathrm{Cd}(1)-\mathrm{O}(4)$ | $88.08(8)$ | $\mathrm{O}(6) \# 2-\mathrm{Cd}(2)-\mathrm{O}(6) \# 2$ | $104.29(8) \# 5$ |
| $\mathrm{O}(4)-\mathrm{Cd}(1)-\mathrm{N}(4) \# 1$ | $162.22(9)$ | $\mathrm{O}(2) \# 4-\mathrm{Cd}(2)-\mathrm{O}(5) \# 3$ | 180.00 |
| $\mathrm{O}(4)-\mathrm{Cd}(1)-\mathrm{O}(6) \# 2$ | $81.54(8)$ | $\mathrm{O}(5) \# 3-\mathrm{Cd}(2)-\mathrm{O}(6) \# 5$ | $95.08(8)$ |
| $\mathrm{O}(4)-\mathrm{Cd}(1)-\mathrm{O}(7) \# 2$ | $108.40(9)$ | $\mathrm{O}(2) \# 4-\mathrm{Cd}(2)-\mathrm{O}(6) \# 5$ | $75.71(8)$ |
| $\mathrm{O}(1) \# 1-\mathrm{Cd}(1)-\mathrm{N}(1)$ | $103.72(9)$ | $\mathrm{O}(6) \# 2-\mathrm{Cd}(1)-\mathrm{N}(1)$ | $130.13(8)$ |
| $\mathrm{O}(2) \# 1-\mathrm{Cd}(1)-\mathrm{N}(1)$ | $154.00(9)$ | $\mathrm{O}(1) \# 1-\mathrm{Cd}(1)-\mathrm{O}(2) \# 1$ | $51.68(8)$ |
| $\mathrm{N}(1)-\mathrm{Cd}(1)-\mathrm{N}(4) \# 1$ | $99.84(9)$ | $\mathrm{O}(1) \# 1-\mathrm{Cd}(1)-\mathrm{O}(6) \# 2$ | $120.75(7)$ |
| $\mathrm{O}(7) \# 2-\mathrm{Cd}(1)-\mathrm{N}(1)$ | $91.26(9)$ |  |  |
| $\mathrm{O}(1) \# 1-\mathrm{Cd}(1)-\mathrm{N}(4) \# 1$ | $77.24(9)$ |  |  |

Symmetry Codes: For 1: $\# 1=2+x, y, z ; \# 2=-1 / 2-x, 1 / 2+y, 1 / 2-z ; \# 3=3 / 2-x, 1 / 2+y, 1 / 2-$ $z ; \# 4=-1-x, 1-y, 1-z ; \# 5=-1 / 2+x, 3 / 2-y, 1 / 2+z ; \# 6=1 / 2+x, 3 / 2-y,-1 / 2+z$. For 2 : $\# 1=x, y$, $-1+z ; \# 2=1-x, 1 / 2+y, 1 / 2-z ; \# 3=1-x, 1-y,-z ; \# 4=1-x, 1-y, 1-z ; \# 5=x, 1 / 2-y,-1 / 2+z$.


[^0]:    * $R=\sum\left(F_{\mathrm{o}}-F_{\mathrm{c}}\right) / \sum\left(\mathrm{F}_{\mathrm{o}}\right),{ }^{* *} w R_{2}=\left\{\sum\left[w\left(F_{\mathrm{O}(2)}-F_{\mathrm{c}}^{2}\right)^{2}\right] / \sum\left(F_{\mathrm{O}(2)}\right)^{2}\right\}^{1 / 2}$.

