Electronic Supplementary Material (ESI) for Nanoscale

Supporting Information for:

INFLUENCE OF THE Mn^{2+} CONCENTRATION ON Mn-DOPED ZnS QUANTUM DOTS SYNTHESIS: EVALUATION OF THE STRUCTURAL AND PHOTOLUMINESCENT PROPERTIES

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Supplementary figures

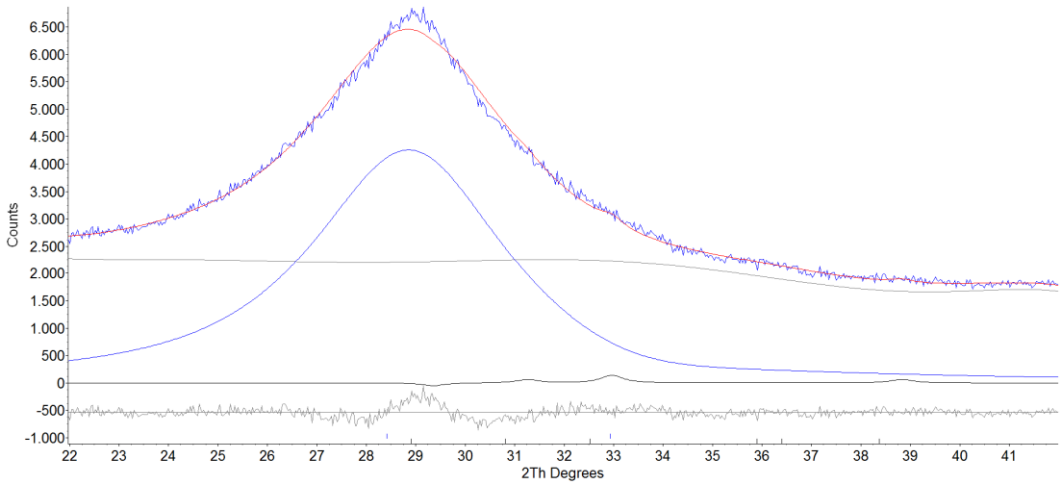

Figure S1. Rietveld refinement plot for sample synthesized using 1 % of dopant manganese.

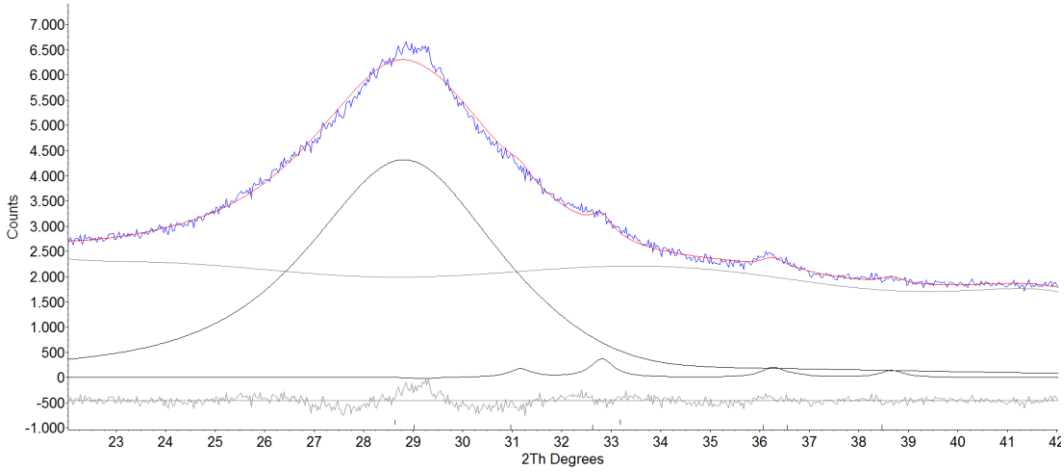

Figure S2. Rietveld refinement plot for sample synthesized using 3 % of dopant manganese.

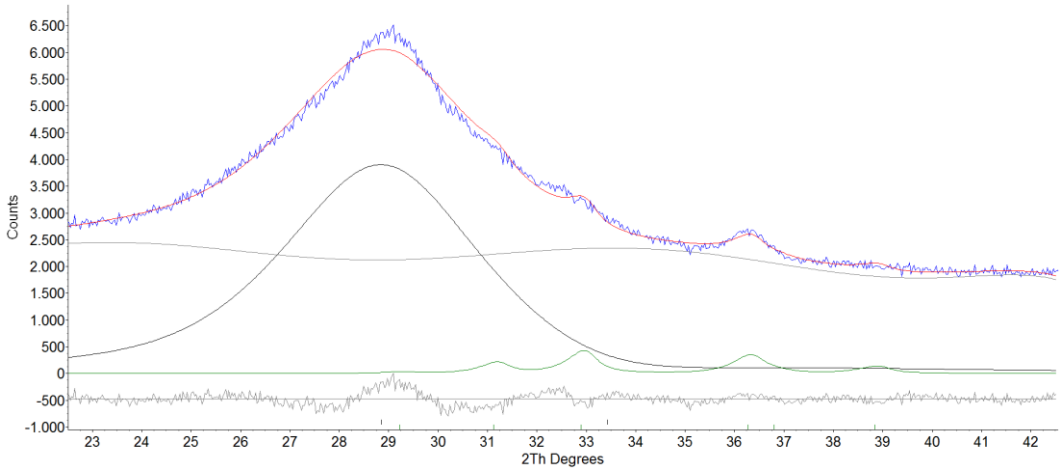

Figure S3. Rietveld refinement plot for sample synthesized using 5 % of dopant manganese.

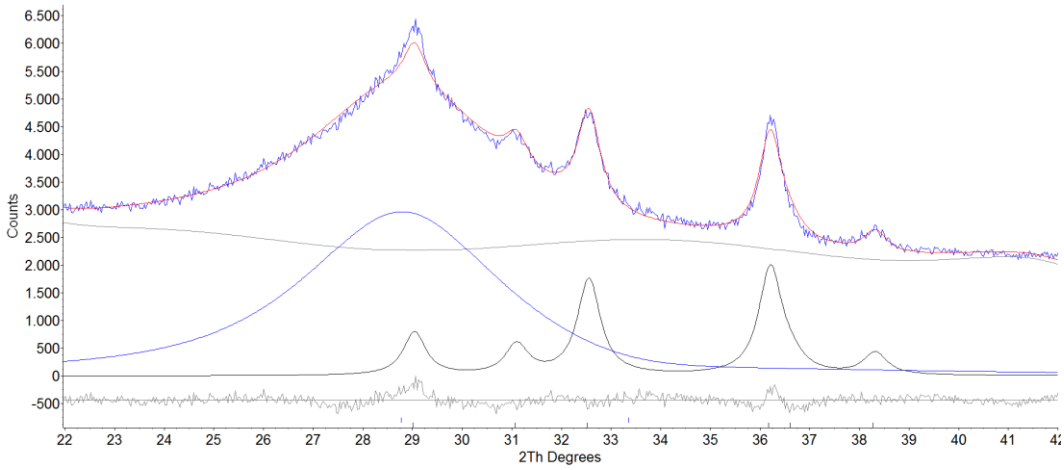

Figure S4. Rietveld refinement plot for sample synthesized using 10 % of dopant manganese.

Supplementary table

Table S1. Rietveld refinement details for samples synthesized using 0, 1, 3, 5 and 10 at. % of dopant manganese (parameters as defined in Topas, Bruker AXS, Karlsruhe, Germany).

Sample	0 % Mn	1 % Mn	3 % Mn	5 % Mn	10 % Mn
R_{exp} (%)	2.03	1.72	1.73	1.73	1.69
R_p (%)	7.83	2.03	2.12	2.42	1.90
R_{wp} (%)	10.16	2.50	2.60	2.93	2.39
GOF	5.00	1.45	1.50	1.70	1.42
R-Bragg blende	2.701	0.078	0.106	0.130	0.083
R-Bragg hetaerolite	--	1.286	0.917	0.852	0.575