


 Cite this: *RSC Adv.*, 2022, **12**, 34568

DOI: 10.1039/d2ra90120j

rsc.li/rsc-advances

Correction: Palladium nanoparticles immobilized on polyethylenimine-derivatized gold surfaces for catalysis of Suzuki reactions: development and application in a lab-on-a-chip context

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Correction for 'Palladium nanoparticles immobilized on polyethylenimine-derivatized gold surfaces for catalysis of Suzuki reactions: development and application in a lab-on-a-chip context' by Prasad Anaspure *et al.*, *RSC Adv.*, 2021, **11**, 35161–35164. <https://doi.org/10.1039/D1RA06851B>.

The authors regret that the turnover numbers (TONs) were not correctly given in the original article.

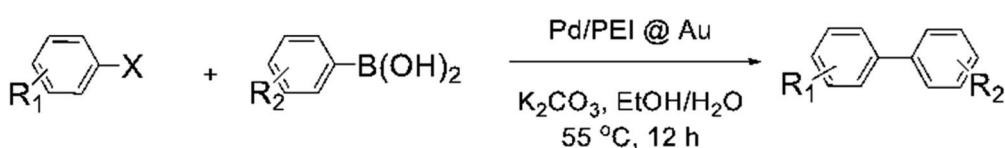
In the abstract on page 35161, the corrected number should read 3.4×10^4 .

The corrected versions of Table 1 and 2 are shown below.

Accordingly, Table 1-SI, Table 2-SI, Table 3-SI, and Table 4-SI in the original ESI have been revised; the ESI has been updated online.

An independent expert has viewed the corrected tables and has concluded that they are consistent with the discussions and conclusions presented.

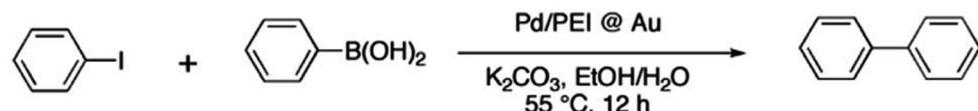
Table 1 Suzuki cross-coupling reactions of aryl halides with arylboronic acids using PEI/Pd as catalysts^a



| Entry | R ₁ | X | R ₂ | Amount of Pd, µg | Yield | TON |
|-------|---------------------|----|--------------------|------------------|-------|--------------------|
| 1 | H | I | H | 3.2 | 93% | 3.1×10^4 |
| 2 | H | Br | H | 2.8 | 95% | 3.4×10^4 |
| 3 | H | I | 2-CH ₃ | 3.9 | 82% | 2.2×10^4 |
| 4 | H | I | 3-OCH ₃ | 4.0 | 57% | 1.5×10^4 |
| 5 | H | I | 4-OCH ₃ | 3.7 | 84% | 2.4×10^4 |
| 6 | H | I | 2-CN | 3.99 | 15% | 0.4×10^4 |
| 7 | H | I | 4-CN | 3.6 | 95% | 2.8×10^4 |
| 8 | 4-CH ₃ | Br | H | 6.2 | 88% | 1.5×10^4 |
| 9 | 4-OCH ₃ | Br | H | 8.4 | 95% | 1.2×10^4 |
| 10 | H | I | H3-NH ₂ | 3.5 | n. r. | — |
| 11 | H | Cl | H | 1.0 | 94% | 10.0×10^4 |
| 12 | 4-OCH ₃ | Cl | H | 1.62 | 80% | 5.3×10^4 |
| 13 | 4-CoCH ₃ | Cl | H | 1.5 | n. r. | — |

^a General procedure: 1.0 mmol of aryl halide, 1.2 mmol of arylboric acid, 2.0 mmol of K₂CO₃ in H₂O/EtOH. Turnover number TON = mol product/mol Pd. n. r. = no reaction.



Table 2 Suzuki cross coupling reaction of iodobenzene and phenylboronic acid using PEI/Pd as catalyst^a

| Entry | Run | Conc. of Pd, μg | Yield | TON |
|-------|-----------------|----------------------------|-------|-------------------|
| 1 | 1 st | ± 2.3 | 93% | 4.4×10^4 |
| 2 | 2 nd | ± 2.22 | 89% | 4.3×10^4 |
| 3 | 3 rd | ± 2.22 | 85% | 4.0×10^4 |
| 4 | 4 th | ± 2.15 | 80% | 3.9×10^4 |

^a General procedure: 1.0 mmol of aryl halide, 1.2 mmol of arylboronic acid, 2.0 mmol of K_2CO_3 in $\text{H}_2\text{O}/\text{EtOH}$. TON = mol product/mol.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

